COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date:	March 2, 2021	Effective Date:	March 27, 2023
Revision Date:	March 27, 2023	Expiration Date:	March 2, 2026
Revision Type:	Modification		

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: 23-00009

Federal Tax Id - Plant Code: 91-0425694-1

Owner Information

Name: THE BOEING CO
Mailing Address: PO BOX 16858
MC P01-29
PHILADELPHIA, PA 19142-0858

Plant Information

Plant: BOEING CO PHILA/ RIDLEY PARK PA FAC
Location: 23 Delaware County 23004 Ridley Township
SIC Code: 3721 Manufacturing - Aircraft

Responsible Official

Name: JEFFERY WEBB
Title: DIR. VERT LIFT OPERATIONS
Phone: (480) 235 - 4946 Email: jeffery.a.webb@boeing.com

Permit Contact Person

Name: ALLEN R KRAMER
Title: MANAGER EHS
Phone: (610) 591 - 3197 Email: allen.r.kramer@boeing.com

[Signature] _____
JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER

SECTION A. Table of Contents

SECTION A. Table of Contents

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput		Fuel/Material
053	NEBRASKA 1 BOILER (BLDG 3-05)	73.000	MMBTU/HR	
		526.200	Gal/HR	#2 Oil
		73.000	MCF/HR	Natural Gas
054	CLEAVER BROOKS 4 BOILER (BLDG 3-05)	24.500	MMBTU/HR	
		24.500	MCF/HR	Natural Gas
		176.600	Gal/HR	#2 Oil
055	CB - 5 BOILER (BLDG 4-14)	49.000	MMBTU/HR	
		353.200	Gal/HR	#2 Oil
		49.000	MCF/HR	Natural Gas
056	CB - 6 BOILER (BLDG 4-14)	49.000	MMBTU/HR	
		353.200	Gal/HR	#2 Oil
		49.000	MCF/HR	Natural Gas
057	CB - 7 BOILER (BLDG 4-14)	49.000	MMBTU/HR	
		49.000	MCF/HR	Natural Gas
		353.200	Gal/HR	#2 Oil
058	NEBRASKA 2 BOILER (BLDG 3-05)	36.000	MMBTU/HR	
		243.000	Gal/HR	#2 Oil
		36.000	MCF/HR	Natural Gas
059	NEBRASKA 3 BOILER (BLDG 3-05)	36.000	MMBTU/HR	
		243.000	Gal/HR	#2 Oil
		36.000	MCF/HR	Natural Gas
060	SUP-3 BOILER (BLDG 4-14)	49.000	MMBTU/HR	
061	NATURAL GAS BOILERS <10 MMBTU/HR			
041	EMERGENCY GENERATOR (BLDG 3-10)	4,700.000	CF/HR	NATURAL GAS 400 KW
042	(4) TURBINE GENERATORS FORMERLY 040 (BLDG 3-52)	204.000	MMBTU/HR	
		1,672.000	Gal/HR	JET A
050	NG EMERGENCY GENERATORS (18 GENERATORS)			
050A	050 GENERATORS <= 500 HP EXISTING SI ZZZZ REQUIREMENTS			
050B	050 GENERATORS >500 HP NEW SI ZZZZ REQUIREMENTS			
050C	050 GENERATORS NEW SI JJJJ REQUIREMENTS			
051	CI EMERGENCY GEN & DIESEL FIRE PUMP (BLDG 3-52,3-19,3-28B)			
051A	051 GENERATORS <= 500 HP CI EXISTING ZZZZ REQUIREMENTS			
051B	051 GENERATOR >500 HP CI EXISTING ZZZZ LIMITATION			
051C	051 GENERATORS NEW CI IIII REQUIREMENTS			
110	PAINT STRIPPER (FACILITY WIDE)			
171	TOUCH & REPAIR BOOTH (BLDG 3-06)			
201	GASOLINE TANK (TK043A)		N/A	4000 GAL
202	GASOLINE TANK (TK043B)		N/A	4000 GAL
213	3-12 DEGREASER 11-088308			

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
214	BLDG 3-12 VACUUM DEGREASER (BCC#30991)		
216	CLEANING SOLVENT EMISSION		
218	MISC COLD DEGREASERS		
228	FREKOTE EXHAUST BOOTH # 1 (BLDG 3-07)		
229	FREKOTE EXHAUST BOOTH #2 (BLDG 3-07)		
231	MISC MINOR PAINT BOOTHS (BLDG 3-25, BLDG 3-31)		
251	COMPOSITE MANUFACTURING (BLDG 3-07)		
300A	BLDG 3-80 BAY 3 SPRAY BOOTH		
300B	BLDG 3-80 BAY 4 SPRAY BOOTH		
301	BLDG 4-04 DETAIL PAINT BOOTHS (2)		
302	BLDG 3-12 SPRAY BOOTHS		
303	TWO (2) SPRAY BOOTHS (BLDG 3-73)		
304	BLDG 3-07 SPRAY BOOTHS		
305	FUGITIVE SPECIALTY COATING OPERATIONS		
307	TOOLING PRIMERS & TOPCOATS		
308	BUILDING 3-25 SPRAY BOOTH		
309	BLDG 3-80 BAY 2 SPRAY BOOTH		
311B	BLDG 3-57 V-22 SECTIONS/ AIRCRAFT PAINT BOOTH		
311D	BLDG 3-57 V-22 WASH & SAND BOOTH		
C02	BLDG 3-12 BOOTH #1 2 - STAGE DRY FILTERS		
C12	2-STAGE DRY FILTERS (BLDG 3-73)		
C20	3-STAGE EQUIVALENT DRY FILTER (#2 BOOTH BLDG 4-04)		
C21	3 - STAGE EQUIVALENT DRY FILTER (#1 BOOTH, BLDG 4-04)		
C300A	3 - STAGE EQUIVALENT DRY FILTER (BAY 3 BLDG 3-80)		
C300B	3 - STAGE EQUIVALENT DRY FILTER (BAY 4 BLDG 3-80)		
C308	3 - STAGE EQUIVALENT DRY FILTER (BLDG 3-25)		
C309	3 - STAGE EQUIVALENT DRY FILTER (BAY 2 BLDG 3-80)		
C310	BLDG 3-12 BOOTH #3 3- STAGE EQUIV DRY FILTERS		
C311B	3-STAGE EQUIV DRY FILTER (BLDG 3-57 SEC/AIRCRAFT PT BOOTH)		
C311D	3-STAGE EQUIV FILTER (BLDG 3-57 WASH & SAND BOOTH)		
C40	WATER INJECTION		
C70	SINGLE STAGE DRY FILTER T&RB (BLDG 3-06)		
C90	2 - STAGE DRY FILTERS (BLDG 3-07)		
C91	2 - STAGE DRY FILTERS (BLDG 3-07)		
C92	3-STAGE EQUIVALENT DRY FILTER (BLDG 3-07 PRIMER BOOTH)		
FML01A	NO. 2 FUEL OIL (29,600 GAL)		

SECTION A. Site Inventory List

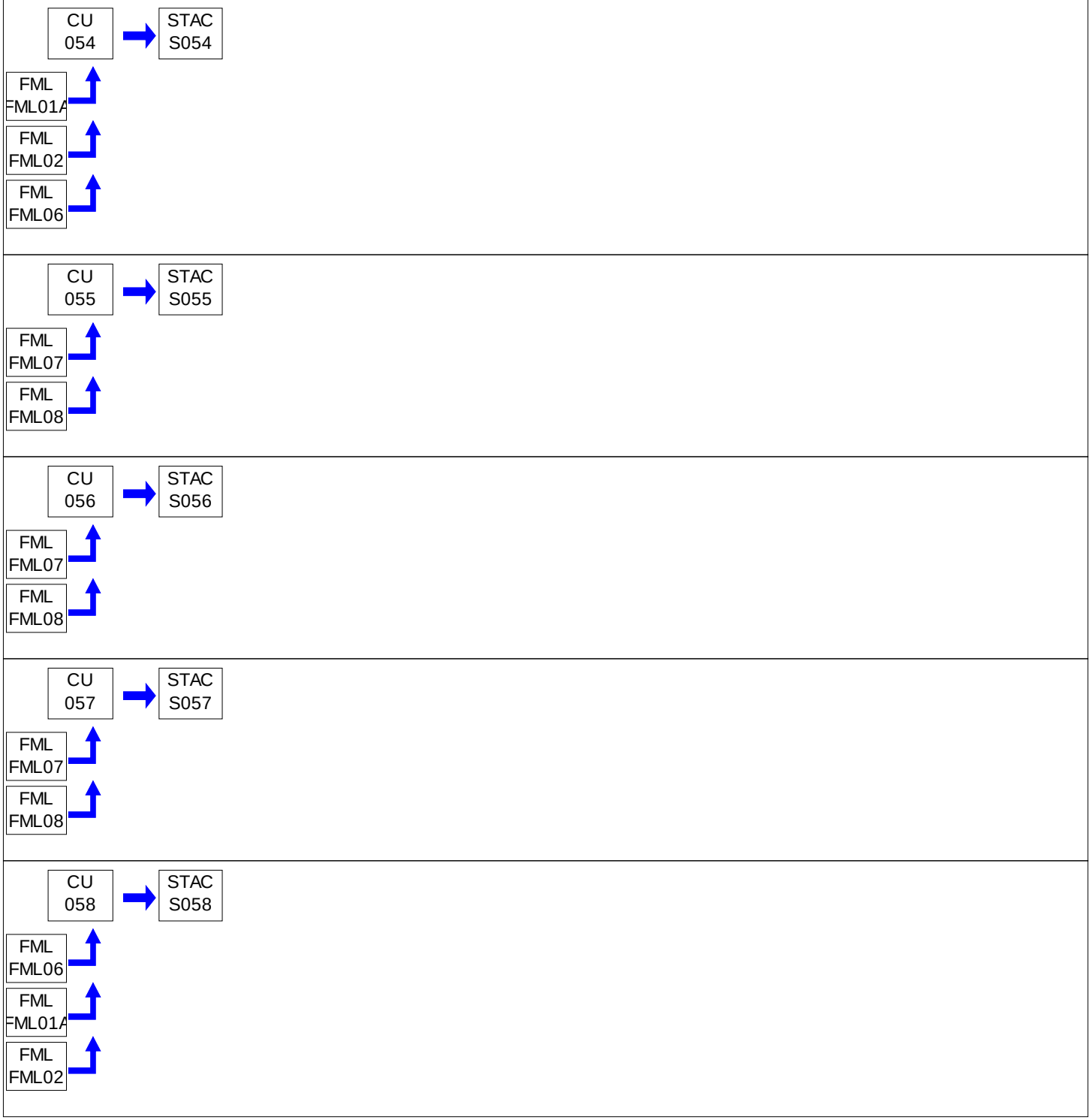
Source ID	Source Name	Capacity/Throughput	Fuel/Material
FML02	NATURAL GAS LINE		
FML03	JET A FUEL TANK		
FML04	DIESEL		
FML05	DIESEL		
FML06	NO. 2 FUEL OIL TANK (20,000 GAL)		
FML07	NO. 2 FUEL OIL TANKS (CENTER SO CENTRAL UTILITY PLT)		
FML08	NATURAL GAS LINE (CENTER SO CENTRAL UTILITY PLT)		
S053	NEBRASKA 1 BOILER STACK		
S054	C-B BOILER 4 STACK		
S055	CB - 5 BOILER STACK (BLDG 4-14)		
S056	CB - 6 BOILER STACK (BLDG 4-14)		
S057	CB - 7 BOILER STACK (BLDG 4-14)		
S058	NEBRASKA 2 STACK (BLDG 3-05)		
S059	NEBRASKA 3 STACK (BLDG 3-05)		
S060	SUP-3 BOILER STACK (BLDG 4-14)		
S061	NATURAL GAS BOILERS <10MMBTU/HR STACK		
S214	3-12 VACUUM DEGREASER STACK		
S300A	BLDG 3-80 BAY 3 SPRAY BOOTH STACK 1		
S300B	BLDG 3-80 BAY 3 SPRAY BOOTH STACK 2		
S300C	BLDG 3-80 BAY 3 SPRAY BOOTH STACK 3		
S300D	BLDG 3-80 BAY 4 SPRAY BOOTH STACK 1		
S300E	BLDG 3-80 BAY 4 SPRAY BOOTH STACK 2		
S300F	BLDG 3-80 BAY 4 SPRAY BOOTH STACK 3		
S301	BLDG 4-04 BOOTH STACKS		
S302	BLDG 3-12 BOOTH #1 STACKS		
S303	BLDG 3-73 BOOTH STACKS		
S304	BLDG 3-07 BOOTH STACKS		
S308	BLDG 3-25 BOOTH STACKS		
S309A	BLDG 3-80 BAY 2 SPRAY BOOTH STACK 1		
S309B	BLDG 3-80 BAY 2 SPRAY BOOTH STACK 2		
S309C	BLDG 3-80 BAY 2 SPRAY BOOTH STACK 3		
S310	BLDG 3-12 BOOTH #3 STACKS		
S311E	BLDG 3-57 V-22 SECTIONS/AIRCRAFT PAINT BOOTH STACK 1		
S311F	BLDG 3-57 V-22 SECTIONS/AIRCRAFT PAINT BOOTH STACK 2		
S311G	BLDG 3-57 V-22 SECTIONS/AIRCRAFT PAINT BOOTH STACK 3		
S311H	BLDG 3-57 V-22 SECTIONS AIRCRAFT PAINT BOOTH STACK 4		
S311K	BLDG 3-57 V-22 WASH & SAND BOOTH STACK 1		
S311L	BLDG 3-57 V-22 WASH & SAND BOOTH STACK 2		

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S311M	BLDG 3-57 V-22 WASH & SAND BOOTH STACK 3		
S311N	BLDG 3-57 V-22 WASH & SAND BOOTH STACK 4		
S36	COMPOSITE MFG EMISSIONS		
S42	MISC MINOR PAINT BOOTHS EMISSIONS		
S43	FREKOTE EXHAUST EMISSIONS BOOTH #1		
S44	GASOLINE TANK EMISSIONS		
S46A	FREKOTE EXHAUST EMISSIONS BOOTH #2 STACK A		
S46B	FREKOTE EXHAUST EMISSIONS BOOTH #2 STACK B		
S53	3-12 DEGREASER (SOURCE 213) STACK		
S57	TURBINE GENERATORS STACKS		
S58	EMERGENCY GENERATOR (BLDG 3-10) STACK		
S72	TOUCH & REPAIR BOOTH (BLDG 3-06) STACK		
Z051	CI EMERGENCY GEN (BLDG 3-52, 3-19, 3-28B) STACKS A & B & C		
Z062	DIESEL FIRE PUMP (BLDG 3-52) STACK		
Z110	PAINT STRIPPER FUGITIVES		
Z216A	FUGITIVES FOR 216A		
Z216B	FUGITIVES FOR 216B		
Z216C	FUGITIVES FOR 216C		
Z251	COMPOSITE MANUFACTURING FUGITIVES		
Z32	TOOLING PRIMERS & TOPCOATS FUGITIVE EMISSIONS		
Z35	FUGITIVE SPECIALTY COATING EMISSIONS		
Z44	NG EMERGENCY GENERATORS (18) STACKS		
Z88	COLD DEGREASER EMISSIONS		

PERMIT MAPS

PERMIT MAPS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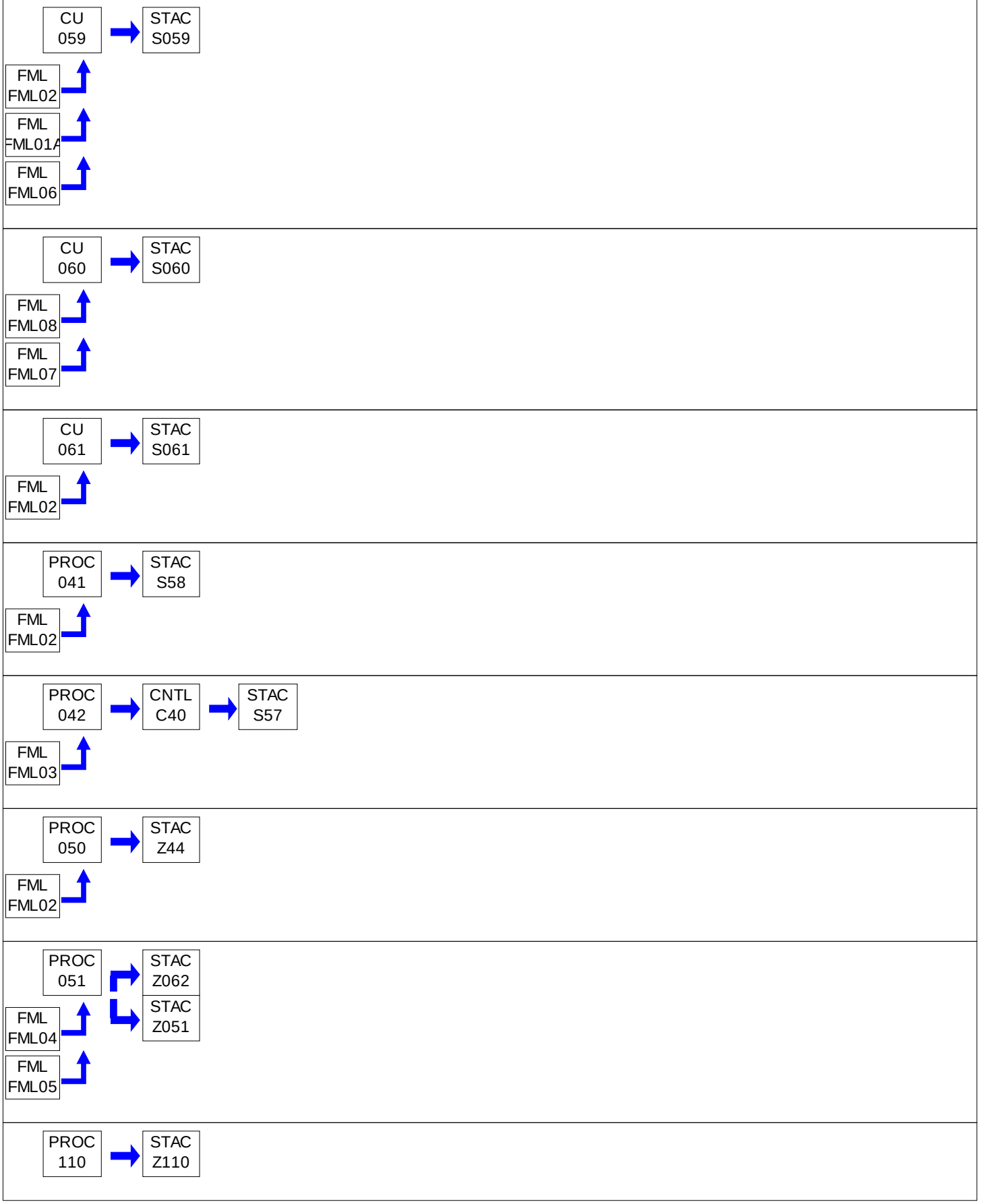
PERMIT MAPS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PROC 041
STAC S58
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PROC 042
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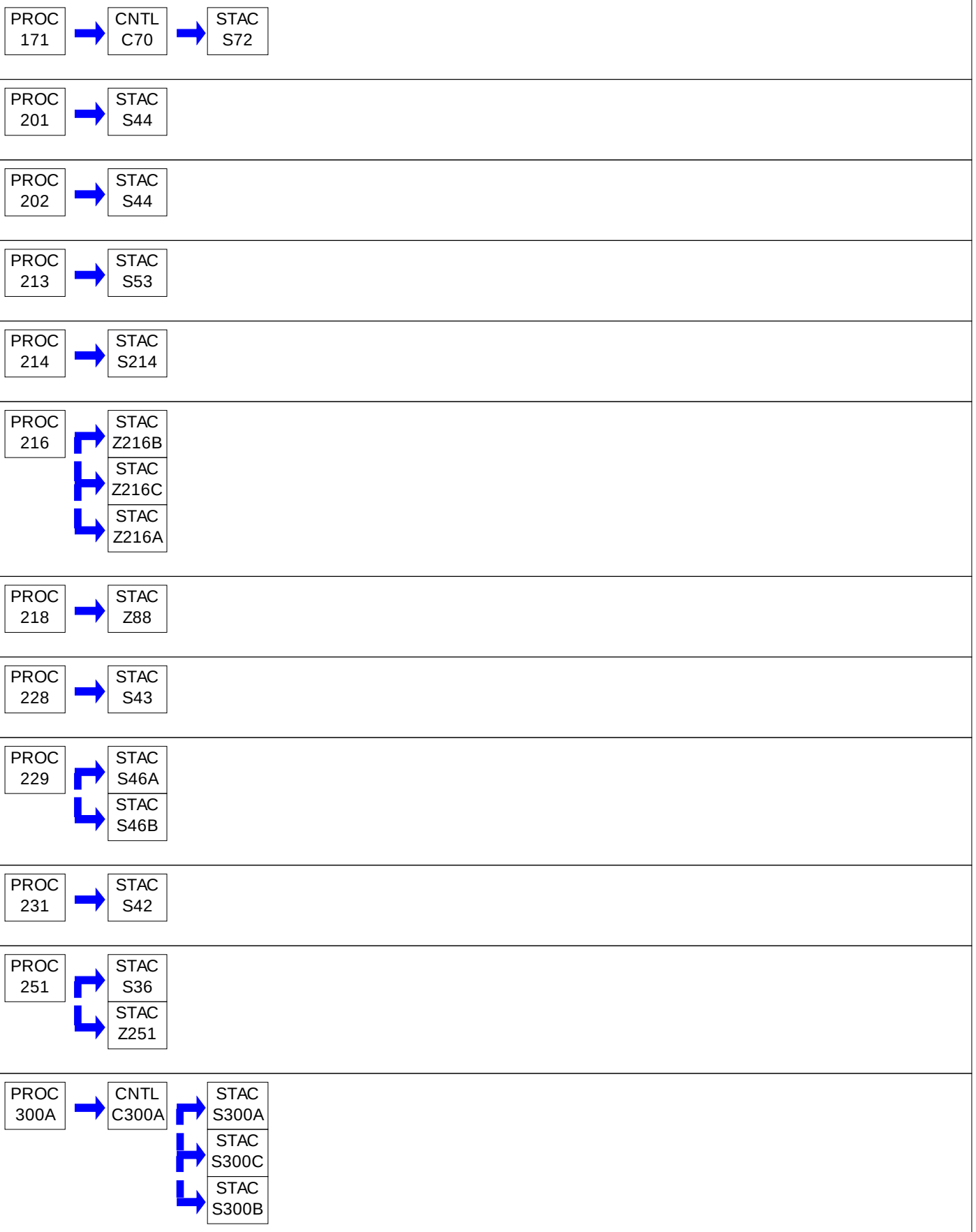
PERMIT MAPS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STAC Z216C
STAC Z216A
PROC 218
STAC Z88
PROC 228
STAC S43
PROC 229
STAC S46A
STAC S46B
PROC 231
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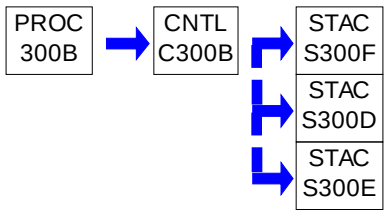
PERMIT MAPS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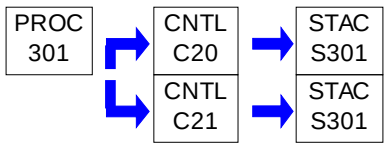
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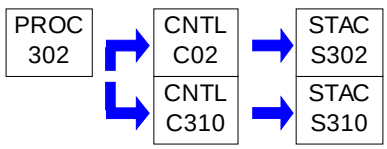
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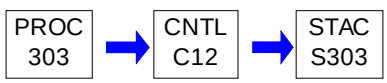
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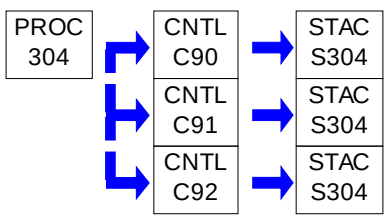
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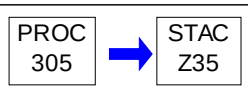
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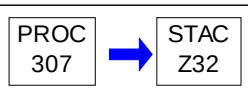
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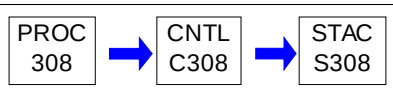
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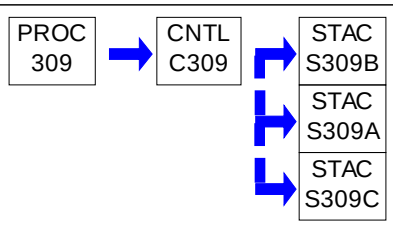
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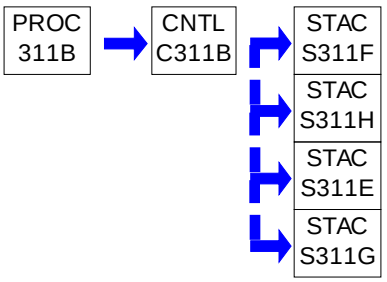
PERMIT MAPS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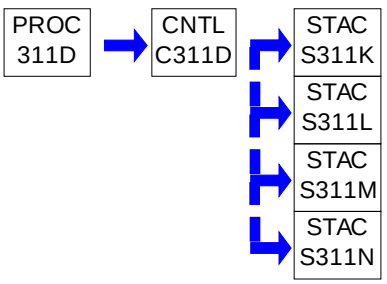
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SECTION B. General Title V Requirements

#001 [25 Pa. Code § 121.1]

Definitions

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

#002 [25 Pa. Code § 121.7]

Prohibition of Air Pollution

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

#003 [25 Pa. Code § 127.512(c)(4)]

Property Rights

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

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

Permit Expiration

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

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

Permit Renewal

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

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

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

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

#006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]

Transfer of Ownership or Operational Control

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

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

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

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

SECTION B. General Title V Requirements

the Department.

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

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

Inspection and Entry

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

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

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

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

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

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

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

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

Compliance Requirements

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

(1) Enforcement action

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

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

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

#009 [25 Pa. Code § 127.512(c)(2)]

Need to Halt or Reduce Activity Not a Defense

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

SECTION B. General Title V Requirements

#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]

Duty to Provide Information

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

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

#011 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]

Reopening and Revising the Title V Permit for Cause

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

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

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

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

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

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

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

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

#012 [25 Pa. Code § 127.543]

Reopening a Title V Permit for Cause by EPA

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

#013 [25 Pa. Code § 127.522(a)]

Operating Permit Application Review by the EPA

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

R3_Air_Apps_and_Notices@epa.gov

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

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#014 [25 Pa. Code § 127.541]

Significant Operating Permit Modifications

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

R3_Air_Apps_and_Notices@epa.gov

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

#015 [25 Pa. Code §§ 121.1 & 127.462]

Minor Operating Permit Modifications

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

R3_Air_Apps_and_Notices@epa.gov

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

#016 [25 Pa. Code § 127.450]

Administrative Operating Permit Amendments

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

R3_Air_Apps_and_Notices@epa.gov

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

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

#017 [25 Pa. Code § 127.512(b)]

Severability Clause

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

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

Fee Payment

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

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

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

SECTION B. General Title V Requirements

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

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

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

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

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

#019 [25 Pa. Code §§ 127.14(b) & 127.449]

Authorization for De Minimis Emission Increases

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

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

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

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

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

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

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

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

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

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

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

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

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

SECTION B. General Title V Requirements

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

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

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

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

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

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

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

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

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

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

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

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

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

#020 [25 Pa. Code §§ 127.11a & 127.215]

Reactivation of Sources

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

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

#021 [25 Pa. Code §§ 121.9 & 127.216]

Circumvention

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

SECTION B. General Title V Requirements

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

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

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

Submissions

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

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

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

Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, PA 19103-2852

The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

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

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

Sampling, Testing and Monitoring Procedures

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

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

#024 [25 Pa. Code § 127.513]

Compliance Certification

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

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

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of

SECTION B. General Title V Requirements

the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

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

Recordkeeping Requirements

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

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

(2) The dates the analyses were performed.

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

(4) The analytical techniques or methods used.

(5) The results of the analyses.

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

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

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

#026 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]

Reporting Requirements

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

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

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

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

SECTION B. General Title V Requirements

#027 [25 Pa. Code § 127.3]

Operational Flexibility

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

(1) Section 127.14 (relating to exemptions)

(2) Section 127.447 (relating to alternative operating scenarios)

(3) Section 127.448 (relating to emissions trading at facilities with federally enforceable emissions caps)

(4) Section 127.449 (relating to de minimis emission increases)

(5) Section 127.450 (relating to administrative operating permit amendments)

(6) Section 127.462 (relating to minor operating permit amendments)

(7) Subchapter H (relating to general plan approvals and operating permits)

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

Risk Management

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

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

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

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

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

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

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

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

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

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

SECTION B. General Title V Requirements

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

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

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

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

#029 [25 Pa. Code § 127.512(e)]

Approved Economic Incentives and Emission Trading Programs

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

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

Permit Shield

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

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

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

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

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

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

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

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

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

#031 [25 Pa. Code §135.3]

Reporting

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

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

#032 [25 Pa. Code §135.4]

Report Format

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

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §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. Section 4003)

 # 002 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

(a) construction or demolition of buildings or structures;

(b) grading, paving and maintenance of roads and streets;

(c) use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets;

(d) clearing of land;

(e) stockpiling of materials;

(f) open burning operations, as specified in 25 Pa. Code § 129.14;

(g) blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting;

(h) coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible fugitive emissions in 25 Pa. Code §§ 123.44 and 129.15 (relating to limitations of visible fugitive air contaminants from operation of any coke oven battery; and coke pushing operations); and

(i) sources and classes of sources other than those identified in (a)-(h), above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

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

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

 # 003 [25 Pa. Code §123.2]

Fugitive particulate matter

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

 # 004 [25 Pa. Code §123.31]

Limitations

[MALODOR EMISSIONS]

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

 # 005 [25 Pa. Code §123.41]

Limitations

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

SECTION C. Site Level Requirements

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

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

 # 006 [25 Pa. Code §123.42]

Exceptions

[MISIBLE EMISSION EXCEPTIONS]

The opacity limitations as per 25 Pa. Code § 123.41 shall not apply to a visible emission in either of the following instances:

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

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

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

 # 007 [25 Pa. Code §129.14]

Open burning operations

No person may permit the open burning of material in the Southeast Air Basin except 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) any 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 in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation;

(5) a fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of the structure;

(6) a fire set solely for recreational or ceremonial purposes; or

(7) a fire set solely for cooking food.

II. TESTING REQUIREMENTS.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

(a) If at any time the Department has cause to believe that air contaminant emissions from any source may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).

(b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139 and the most current

SECTION C. Site Level Requirements

version of the DEP Source Testing Manual, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

III. MONITORING REQUIREMENTS.

 # 009 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

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

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

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511]

(a) The permittee shall monitor the facility, once per operating day, for the following:

(1) odors which may be objectionable (as per 25 Pa. Code §123.31);
(2) visible emissions (as per 25 Pa. Code §§123.41 and 123.42); and
(3) fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).

(b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall:

(1) be investigated;
(2) be reported to the facility management, or individual(s) designated by the permittee;
(3) have appropriate corrective action taken (for emissions that originate on-site); and
(4) be recorded in a permanent written log.

(c) After six (6) months of daily monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly for the next six month period.

(d) After six (6) months of weekly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.

(e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification, complaints, monitoring results, and/or Department findings.

IV. RECORDKEEPING REQUIREMENTS.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Section 63.10 (b)]

(a) Records required in this Operating Permit shall be kept for five (5) years and shall be made available to the Department upon request.

(b) Records shall be in a form suitable and ready for expeditious review.

(c) Each record shall remain on site for a minimum of 2 years.

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 # 012 [25 Pa. Code §127.441]
Operating permit terms and conditions.
The company shall maintain recordkeeping formats as previously approved by the Department.

 # 013 [25 Pa. Code §127.441]
Operating permit terms and conditions.
[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.]

The permittee shall maintain a record of all monitoring of fugitive emissions, visible emissions and odors, including those that deviate from the conditions found in this permit. The record of deviations shall contain, at a minimum, the following items:

(a) date, time, and location of the incident(s);
(b) the cause of the event; and
(c) the corrective action taken, if necessary, to abate the situation and prevent future occurrences.

 # 014 [25 Pa. Code §127.441]
Operating permit terms and conditions.
The permittee shall maintain records of all the facility's increases of emissions from the following categories:

(a) emissions increase of minor significance without notification to the Department.
(b) de minimis increases with notification to the Department, via letter.
(c) increases resulting from a Request for Determination (RFD) to the Department.
(d) increases resulting from the issuance of a plan approval and subsequent operating permit.

 # 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.752]
Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities
Recordkeeping requirements.
[Additional authority for this condition is derived from 25 Pa. Code Section 127.441.]

The owner/operator shall record for the facility,

(a) Pursuant to 40 CFR Section 63.752(e)(1),
(1) the name of each chemical stripper; and
(2) monthly volumes of each organic HAP containing chemical stripper used or the monthly weight of organic HAP material used for spot stripping and decal removal.

(b) Pursuant to 40 CFR Section 63.752(e)(6), the owner/operator shall record for spot stripping and decal removal, the annual volume of organic HAP-containing chemical stripper or the weight of organic HAP used, the annual average volume of organic HAP-containing chemical stripper or the weight of organic HAP used per aircraft, the annual number of aircraft stripped, and all data and calculations used.

V. REPORTING REQUIREMENTS.

 # 016 [25 Pa. Code §127.441]
Operating permit terms and conditions.
[Additional authority for this permit condition is derived from 40 CFR Sections 63.10(a)(4)(i) and 60.4(b).]

All requests, reports, submittals, and other communications to the Administrator, under this Operating Permit, shall be submitted to both the Regional Office of the U.S Environmental Protection Agency and to the Department at the addresses given in Section B.

Note: Some NSPS or MACT Subparts require electronic submission of reports using EPA's Compliance and Emissions Data Reporting Interface (CEDRI). CEDRI is accessed through EPA's Central Data Exchange (CDX)(www.epa.gov/cdx). The

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above mailing address is to be used in these cases if the specific reporting form is not available in CEDRI at the time the report is due.

 # 017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511(c).]

The permittee shall submit the following:

(a) An annual certification of compliance, due by April 1st of each year, for the period covering January 1 through December 31 of the previous year. This certification of compliance shall document compliance with all permit terms and conditions set forth in this Title V permit as required under condition #26 of section B of this permit. . The annual certificate of compliance shall be submitted to the Department in paper form, and EPA Region III in electronic form at the following email address:
R3_APD_Permits@epa.gov

(b) A semi-annual deviation report, due by October 1, of each year, for the period covering January 1 through June 30 of the same year.

Note: The annual certification of compliance fulfills the obligation for the second deviation reporting period (July 1 through December 31 of the previous year).

 # 018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department. 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. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

(b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

(1) Name, permit or authorization number, and location of the facility;
(2) Nature and cause of the malfunction, emergency or incident;
(3) Date and time when the malfunction, emergency or incident was first observed;
(4) Expected duration of excess emissions;
(5) Estimated rate of emissions; and
(6) Corrective actions or preventative measures taken.

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

(e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting

SECTION C. Site Level Requirements

requirements in accordance with paragraphs (b)-(d), as applicable, including any permit specific malfunction reporting requirements.

(f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.

(g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

 # 019 [25 Pa. Code §135.21]

Emission statements

The permittee shall submit by March 1, of each year, an annual emission statement for the preceding calendar year.

VI. WORK PRACTICE REQUIREMENTS.

 # 020 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

A person responsible for any source specified 25 Pa. Code § 123.1 shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following

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

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

(c) paving and maintenance of roadways; and

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

 # 021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee may not modify any air contaminant system identified in this permit, prior to obtaining Department approval, except those modifications authorized by Condition #019(g) of Section B of this permit.

 # 022 [40 CFR Part 61 NESHAPs §40 CFR 61.145]

Subpart M--National Emission Standard for Asbestos

Standard for demolition and renovation.

The permittee shall thoroughly inspect the affected facility or part of the facility according to the applicable requirements contained in 40 CFR Part 61 Subpart M prior to the commencement of the demolition or renovation for the presence of asbestos, including Category I and Category II nonfriable ACM.

 # 023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.748]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Standards: Handling and storage of waste.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512]

The owner or operator of each facility subject to 40 CFR 63 Subpart GG that produces a waste that contains organic HAP from aerospace primer, topcoat, specialty coating, chemical milling maskant, or chemical depainting operations must be handled and stored as specified in (1) or (2) below. The requirements of (1) and (2) below do not apply to spent wastes that contain organic HAP that are subject to and handled and stored in compliance with 40 CFR parts 262 through 268

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(including the air emission control requirements in 40 CFR 265, subpart CC).

(1) Conduct the handling and transfer of the waste to or from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills.

(2) Store all waste that contains organic HAP in closed containers.

VII. ADDITIONAL REQUIREMENTS.

 # 024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.741]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Applicability and designation of affected sources.

(a) This subpart applies to facilities that are engaged, either in part or in whole, in the manufacture or rework of commercial, civil, or military aerospace vehicles or components and that are major sources as defined in 40 C.F.R. Sec. 63.2.

(b) The owner or operator of an affected source shall comply with the requirements of this subpart and of subpart A of this part, except as specified in 40 C.F.R. Sec. 63.743(a) and Table 1 of this subpart.

(c) Affected sources. The affected sources to which the provisions of this subpart apply are specified in paragraphs (c)(1) through (8) of this section. The activities subject to this subpart are limited to the manufacture or rework of aerospace vehicles or components as defined in this subpart. Where a dispute arises relating to the applicability of this subpart to a specific activity, the owner or operator shall demonstrate whether or not the activity is regulated under this subpart.

(1) Each cleaning operation as follows:

(i) All hand-wipe cleaning operations constitute an affected source.

(ii) Each spray gun cleaning operation constitutes an affected source.

(iii) All flush cleaning operations constitute an affected source.

(2) For organic HAP or VOC emissions, each primer application operation, which is the total of all primer applications at the facility.

(3) For organic HAP or VOC emissions, each topcoat application operation, which is the total of all topcoat applications at the facility.

(4) For organic HAP or VOC emissions, each specialty coating application operation, which is the total of all specialty coating applications at the facility.

(5) For organic HAP or VOC emissions, each depainting operation, which is the total of all depainting at the facility.

(6) Each chemical milling maskant application operation, which is the total of all chemical milling maskant applications at the facility.

(7) Each waste storage and handling operation, which is the total of all waste handling and storage at the facility.

(8) For inorganic HAP emissions, each spray booth, portable enclosure, or hangar that contains a primer, topcoat, or specialty coating application operation subject to 40 C.F.R. Sec. 63.745(g) or a depainting operation subject to 40 C.F.R. Sec. 63.746(b)(4).

(d) An owner or operator of an affected source subject to this subpart shall obtain an operating permit from the permitting authority in the State in which the source is located. The owner or operator shall apply for and obtain such permit in accordance with the regulations contained in 40 C.F.R. part 70 of this chapter and in applicable State regulations.

SECTION C. Site Level Requirements

(e) [Reserved]

(f) This subpart does not regulate research and development, quality control, and laboratory testing activities, chemical milling, metal finishing, electrodeposition (except for electrodeposition of paints), composites processing (except for cleaning and coating of composite parts or components that become part of an aerospace vehicle or component as well as composite tooling that comes in contact with such composite parts or components prior to cure), electronic parts and assemblies (except for cleaning and topcoating of completed assemblies), manufacture of aircraft transparencies, and wastewater operations at aerospace facilities. These requirements do not apply to the rework of aircraft or aircraft components if the holder of the Federal Aviation Administration (FAA) design approval, or the holder's licensee, is not actively manufacturing the aircraft or aircraft components. These requirements also do not apply to parts and assemblies not critical to the vehicle's structural integrity or flight performance. The requirements of this subpart do not apply to primers, topcoats, specialty coatings, chemical milling maskants, strippers, and cleaning solvents that meet the definition of non-HAP material, as determined from manufacturer's representations, such as in a material safety data sheet or product data sheet, or testing, except that if an owner or operator chooses to include one or more non-HAP primer, topcoat, specialty coating, or chemical milling maskant in averaging under 40 C.F.R. §63.743(d), then the recordkeeping requirements of 40 C.F.R. §63.752(c)(4) shall apply. The requirements of this subpart also do not apply to primers, topcoats, and specialty coatings that meet the definition of “classified national security information” in 40 C.F.R. §63.742. Additional specific exemptions from regulatory coverage are set forth in paragraphs (e), (g), (h), (i) and (j) of this section and 40 C.F.R. §§63.742, 63.744(a)(1), (b), (e), 63.745(a), (f)(3), (g)(4), 63.746(a), (b)(5), 63.747(c)(3), and 63.749(d).

(g) The requirements for primers, topcoats, specialty coatings, and chemical milling maskants in Sec. 63.745 and Sec. 63.747 do not apply to the use of low-volume coatings in these categories for which the annual total of each separate formulation used at a facility does not exceed 189 l (50 gal), and the combined annual total of all such primers, topcoats, specialty coatings, and chemical milling maskants used at a facility does not exceed 757 l (200 gal). Primers, topcoats, and specialty coatings exempted under paragraph (f) of this section and under Sec. 63.745(f)(3) and (g)(4) are not included in the 50 and 200 gal limits. Chemical milling maskants exempted under Sec. 63.747(c)(3) are also not included in these limits.

(h) Regulated activities associated with space vehicles designed to travel beyond the limit of the earth's atmosphere, including but not limited to satellites, space stations, and the Space Shuttle System (including orbiter, external tanks, and solid rocket boosters), are exempt from the requirements of this subpart, except for depainting operations found in Sec. 63.746.

(i) Any waterborne coating for which the manufacturer's supplied data demonstrate that organic HAP and VOC contents are less than or equal to the organic HAP and VOC content limits for its coating type, as specified in Secs. 63.745(c) and 63.747(c), is exempt from the following requirements of this subpart: Secs. 63.745 (d) and (e), 63.747(d) and (e), 63.749 (d) and (h), 63.750 (c) through (h) and (k) through (n), 63.752 (c) and (f), and 63.753 (c) and (e). A facility shall maintain the manufacturer's supplied data and annual purchase records for each exempt waterborne coating readily available for inspection and review and shall retain these data for 5 years.

(j) Regulated activities associated with the rework of antique aerospace vehicles or components are exempt from the requirements of this subpart.

 # 025 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.743]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Standards: General.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall comply with the applicable requirements:

Except as provided in paragraphs (4) through (10) of this condition and in Table 1 of this subpart, each owner or operator of an affected source subject to this subpart is also subject to the following sections of subpart A of this part:

(1) 40 CFR Sec. 63.4, Prohibited activities and circumvention;

SECTION C. Site Level Requirements

(2) 40 CFR Sec. 63.5, Preconstruction review and notification requirements; and

(3) 40 CFR Sec. 63.6, Compliance with standards and maintenance requirements.

(4) For the purposes of this subpart, all affected sources shall submit any request for an extension of compliance not later than 120 days before the affected source's compliance date. The extension request should be requested for the shortest time necessary to attain compliance, but in no case shall exceed 1 year.

(5)(i) For the purposes of this subpart, the Administrator (or the State with an approved permit program) will notify the owner or operator in writing of his/her intention to deny approval of a request for an extension of compliance submitted under either 40 CFR Sec. 63.6(i)(4) or 40 CFR Sec. 63.6(i)(5) within 60 calendar days after receipt of sufficient information to evaluate the request.

(ii) In addition, for purposes of this subpart, if the Administrator does not notify the owner or operator in writing of his/her intention to deny approval within 60 calendar days after receipt of sufficient information to evaluate a request for an extension of compliance, then the request shall be considered approved.

(6)(i) For the purposes of this subpart, the Administrator (or the State) will notify the owner or operator in writing of the status of his/her application submitted under 40 CFR Sec. 63.6(i)(4)(ii) (that is, whether the application contains sufficient information to make a determination) within 30 calendar days after receipt of the original application and within 30 calendar days after receipt of any supplementary information that is submitted, rather than 15 calendar days as provided for in 40 CFR Sec. 63.6(i)(13)(i).

(ii) In addition, for the purposes of this subpart, if the Administrator does not notify the owner or operator in writing of the status of his/her application within 30 calendar days after receipt of the original application and within 30 calendar days after receipt of any supplementary information that is submitted, then the information in the application or the supplementary information is to be considered sufficient upon which to make a determination.

(7) For the purposes of this subpart, each owner or operator who has submitted an extension request application under 40 CFR Sec. 63.6(i)(5) is to be provided 30 calendar days to present additional information or arguments to the Administrator after he/she is notified that the application is not complete, rather than 15 calendar days as provided for in 40 CFR Sec. 63.6(i)(13)(ii).

(8) For the purposes of this subpart, each owner or operator is to be provided 30 calendar days to present additional information to the Administrator after he/she is notified of the intended denial of a compliance extension request submitted under either 40 CFR Sec. 63.6(i)(4) or 40 CFR Sec. 63.6(i)(5), rather than 15 calendar days as provided for in 40 CFR Sec. 63.6(i)(12)(iii)(B) and 40 CFR Sec. 63.6(i)(13)(iii)(B).

(9) For the purposes of this subpart, a final determination to deny any request for an extension submitted under either 40 CFR Sec. 63.6(i)(4) or 40 CFR Sec. 63.6(i)(5) will be made within 60 calendar days after presentation of additional information or argument (if the application is complete), or within 60 calendar days after the final date specified for the presentation if no presentation is made, rather than 30 calendar days as provided for in 40 CFR Sec. 63.6(i)(12)(iv) and 40 CFR Sec. 63.6(i)(13)(iv).

(10) For the purposes of compliance with the requirements of 40 CFR Sec. 63.5(b)(4) of the General Provisions and this subpart, owners or operators of existing primer or topcoat application operations and depainting operations who construct or reconstruct a spray booth or hangar that does not have the potential to emit 10 tons/yr or more of an individual inorganic HAP or 25 tons/yr or more of all inorganic HAP combined shall only be required to notify the Administrator of such construction or reconstruction on an annual basis. Notification shall be submitted on or before March 1 of each year and shall include the information required in 40 CFR Sec. 63.5(b)(4) for each such spray booth or hangar constructed or reconstructed during the prior calendar year, except that such information shall be limited to inorganic HAPs. No advance notification or written approval from the Administrator pursuant to 40 CFR Sec. 63.5(b)(3) shall be required for the construction or reconstruction of such a spray booth or hangar unless the booth or hangar has the potential to emit 10 tons/yr or more of an individual inorganic HAP or 25 tons/yr or more of all inorganic HAP combined.

(11) At all times, the owner or operator must operate and maintain any affected source, including associated air pollution

SECTION C. Site Level Requirements

control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the owner or operator to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the Administrator 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.

 # 026 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.749]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Compliance dates and determinations.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512]

The permittee shall determine compliance using the respective methods:

Handling and storage of waste.

For those wastes subject to this subpart, failure to comply with the requirements specified in 40 CFR Sec. 63.748 shall be considered a violation.

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

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

SECTION D. Source Level Requirements

Source ID: 053 Source Name: NEBRASKA 1 BOILER (BLDG 3-05)

Source Capacity/Throughput:	73.000	MMBTU/HR	
	526.200	Gal/HR	#2 Oil
	73.000	MCF/HR	Natural Gas

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.33 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(2).

 # 002 [25 Pa. Code §123.22]

Combustion units

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2, from any combustion unit, in the Southeast Air Basin, in excess of 1 pounds per million Btu of heat input, pursuant to 25 Pa. Code §123.22(e)(1).

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The combined emission limitations for Source 053 (Nebraska Boiler) and Source 054 (Cleaver Brooks 4 Boiler), firing either
Number 2 fuel oil or natural gas, shall not exceed the following on a 12-month rolling basis:

Nitrogen Oxides (NOx) < 26.94 tons per year
Sulfur Oxides (SOx) < 38.86 tons per year
Sulfuric Acid Mist (H2SO4) < 3.64 tons per year

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 25 Pa. Code Sections 129.111 - 129.115.]

(1) This boiler shall not exceed the following emission limits:

(a) 30 ppmdv NOx at 3% oxygen when firing natural gas

(b) 90 ppmdv NOx at 3% oxygen when firing Number 2 fuel oil: and

(c) 300 ppmdv CO at 3% oxygen on a 3-run average.

(2) Pursuant to 25 Pa. Code Section 129.97(g)(1)(i) and (ii),

The owner/operator of this source may not cause, allow, or permit NOx to be emitted from this source in excess of the presumptive RACT emission limitation:

SECTION D. Source Level Requirements

(a) 0.10 lb NOx/million Btu heat input, when firing natural gas

(b) 0.12 lb NOx/million Btu heat input, when firing distillate oil.

[Compliance with the NOx emission limits in part (1)(a) and (b) of this condition assures compliance with presumptive RACT emission limitations in part (2) (a) and (b) of this condition].

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.42c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Standard for sulfur dioxide.

No owner or operator of an affected facility that combusts oil, shall cause to be discharged into the atmosphere from that affected facility any gases that contain SO2 in excess of 215 ng/J (0.50 lb/million Btu) heat input, pursuant to 40 C.F.R. Section 60.42c(d).

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code Section 123.22(e)(1)]

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.43c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Standard for particulate matter.

[Additional authority for this condition is from 40 CFR Section 60.10.]

(a) In accordance with 40 CFR Section 60.43c(c),

No owner or operator of this boiler shall cause to be discharged into the atmosphere any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. This opacity standard applies at all times, except during periods of startup, shutdown or malfunction.

(b) In case of a conflict in opacity limitations between 40 CFR Section 60.43c(c) and 25 Pa. Code Section 123.41 (Condition Section C #005), the more stringent requirement applies.

Fuel Restriction(s).

 # 007 [25 Pa. Code §123.22]

Combustion units

(a) A person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 0.05% by weight sulfur content, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

(b) Commercial fuel oil that was stored in the Commonwealth by the ultimate consumer

(i) prior to July 1, 2016 which met the applicable maximum allowable sulfur content for commercial fuel oil through June 30, 2016 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after July 1, 2016.

(ii) prior to September 1, 2020 which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after August 31, 2020.

(c) On and after September 1, 2020, a person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 15 ppm or 0.0015% by weight for No. 2; by weight sulfur content, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

[Compliance with this streamlined permit condition assures compliance with 40 C.F.R. Section 60.42c(d).]

SECTION D. Source Level Requirements

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 40 CFR Section 63.7575.]

(a) The permittee shall burn Natural gas and/or Number 2 Fuel oil in this boiler.

(b) In order to limit the applicable requirements of 40 CFR Part 63 Subpart DDDDD to those in this Operating Permit,

(1) the permittee shall operate this boiler as a "unit designed to burn gas 1 subcategory," as defined in 40 CFR Section 63.7575 as follows:

"any boiler 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 that burn liquid fuel during periods of gas curtailment or gas supply interruptions of any duration are also included in this definition."

with period of gas curtailment or supply interruption defined as:

"a period of time during which the supply of gaseous fuel to an affected boiler is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under the control of a facility for the purposes of this definition. An increase in the cost or unit price of natural gas due to normal market fluctuations not during periods of supplier delivery restriction does not constitute a period of natural gas curtailment or supply interruption. On-site gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the control of the facility."

(2) the permittee shall employ a continuous oxygen trim system on this boiler that maintains an optimum air to fuel ratio.

Throughput Restriction(s).

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The combined usage of Number 2 fuel oil shall not exceed 2,731,200 gallons/yr on a 12-month rolling basis for the Source 053 - Nebraska Boiler and Source 054 - Cleaver Brooks 4 Boiler.

(b) The combined usage of natural gas shall not exceed 851,472,000 cubic feet/yr on a 12-month rolling basis for the Source 053 - Nebraska Boiler and Source 054 - Cleaver Brooks 4 Boiler.

II. TESTING REQUIREMENTS.

 # 010 [25 Pa. Code §123.22]

Combustion units

Pursuant to 25 Pa. Code Section 123.22(f),

(a) The actual sulfur content of commercial fuel oil shall be determined:

(1) in accordance with the sample collection, test methods and procedures specified under 25 Pa. Code § 139.16 (relating to sulfur in fuel oil); or

(2) by other methods developed or approved by the Department or the Administrator of the EPA, or both.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 25 Pa. Code Sections 129.111 - 129.115.]

SECTION D. Source Level Requirements

(a) The permittee shall perform a stack test using the Department-approved procedures, one time in each 5-year calendar period. Such testing shall be conducted at least 12 months prior to the expiration of this permit.

(b) The stack test shall, at a minimum, test for Nitrogen Oxides and Carbon Monoxide, to show compliance with the Nitrogen Oxide (NOx) and Carbon Monoxide (CO) emission limits in Condition #003 of this section. The stack test shall be performed while the aforementioned source is operating at the maximum rated capacity.Testing shall be conducted in accordance with 25 Pa. Code Chapter 139.

Testing shall be conducted both when firing natural gas and when firing No. 2 fuel oil.

(c) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(e) Within sixty (60) days after the source test(s) (unless a more stringent regulatory requirement applies), one paper copy plus one electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

 # 012 [25 Pa. Code §139.16]

Sulfur in fuel oil.

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.441.]

(a) The following are applicable to the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) or (21) (relating to references).

(2) Test methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15) and (20).

(3) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The requirements in subpart (a), above, shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

[Compliance with this streamlined permit condition, paragraph (b) assures compliance with 40 C.F.R. Sections 60.42c(h)(1) and 60.48c(f)(1)]

 # 013 [25 Pa. Code §139.53]

Filing monitoring reports.

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

(a) a statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings;
(b) permit number(s) and condition(s) which are the basis for the evaluation;

SECTION D. Source Level Requirements

(c) summary of results with respect to each applicable permit condition;
(d) statement of compliance or non-compliance with each applicable permit condition.

 # 014 [25 Pa. Code §139.53]

Filing monitoring reports.

Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3) all testing submittals, besides notifications, shall be accomplished through PSIMS* Online available through http://www.depgreenport.state.pa.us/ecomm/Login.jsp when it becomes available. If internet submittal cannot be accomplished or is not available, two copies of the submittal shall be mailed to the Department.

III. MONITORING REQUIREMENTS.

 # 015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor monthly:

(a) the amount of fuel, and

(b) the hours of operations

 # 016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.47c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Emission monitoring for particulate matter.

(a) Except as provided in sections (b), (c) and (d) of this condition, the owner/operator shall conduct subsequent Method 9 opacity tests for this boiler, when firing No. 2 fuel oil, according to the applicable schedule from paragraphs (1) through (4) of this section. The applicable schedule is determined from the results of the most recent Method 9 opacity test conducted on this boiler when firing No. 2 fuel oil:

(1) If no visible emissions are observed, a subsequent Method 9 test must be completed within 12 calendar months from the date that the most recent performance test was conducted or within 45 days of the next day that No. 2 fuel oil is combusted, whichever is later;

(2) If visible emissions are observed but the maximum 6-minute average opacity is less than or equal to 5 percent, a subsequent Method 9 performance test must be completed with 6 calendar months from the date that the most recent performance test was conducted or within 45 days of the next day that No. 2 fuel oil is combusted, whichever is later;

(3) If the maximum 6-minute average opacity is greater than 5 percent but less than or equal to 10 percent, a subsequent Method 9 performance test must be completed with 3 calendar months from the date that the most recent performance test was conducted or within 45 days of the next day that No. 2 fuel oil is combusted, whichever is later; or

(4) If the maximum 6-minute average opacity is greater than 10 percent, a subsequent Method 9 performance test must be completed with 45 calendar days from the date that the most recent performance test was conducted.

(b) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 performance test, the owner/operator may elect to perform subsequent opacity monitoring using Method 22 and according to the procedures of 40 CFR Sections 60.47c(a)(2)(i) and (ii), as indicated in paragraphs (1) and (2) of this condition:

(1) Conduct 10-minute observations (during normal operation) each operating day the affected facility fires No. 2 fuel oil using Method 22 of Appendix A-7 of 40 CFR Part 60 and demonstrate that the sum of the occurrences of any visible emissions is not in excess of 5 percent of the observation period (i.e. 30 seconds per 10 minute period). If the sum of the occurrences of any visible emissions is greater than 30 seconds during the initial 10 minute observation, immediately conduct a 30 minute observation. If the sum of the occurrences of visible emissions is greater than 5 percent of the observation period (i.e. 90 seconds per 30 minute period), the owner or operator shall either document and adjust the operation of the facility and demonstrate within 24 hours that the sum of the occurrences of visible emissions is equal to or less than 5 percent during a 30 minute observation (i.e., 90 seconds) or conduct a new Method 9 performance test using

the procedures in paragraph (a) of this condition within 45 calendar days according to the requirements in 40 CFR Section 60.45c(a)(8).

(2) If no visible emissions are observed for 10 operating days during which No. 2 fuel is used, observations can be reduced to once every 7 operating days during which No. 2 fuel is used. If any visible emissions are observed, daily observations shall be resumed.

(c) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 performance test, the owner or operator may, as an alternative to performing subsequent Method 9 performance tests, elect to perform subsequent monitoring using a digital opacity compliance system according to a site-specific monitoring plan approved by the Administrator. The observations shall be similar, but not necessarily identical, to the requirements in 40 CFR Section 60.47c (a)(2) [part (b) of this condition]. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Policy Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods.

(d) Pursuant to 40 CFR Section 60.47c(f)(3), the permittee has the option of proposing a written site-specific monitoring plan to the permitting authority. This monitoring plan must include procedures and criteria for establishing and monitoring specific parameters for the affected facility indicative of compliance with the opacity standard. The site-specific monitoring plan will take effect upon approval by the permitting authority.

(e) All references to Method 9 in this Operating Permit refer to Method 9 of Appendix A-4 of 40 CFR Part 60.

(f) In accordance with 40 CFR Section 60.47c(a), the observation period for Method 9 performance tests may be reduced from 3 hours to 60 minutes if all 6-minutes averages are less than 10 percent and all individual 15-second observations are less than or equal to 20 percent during the initial 60 minutes of observation.

 # 017 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.3]

Sections of PART 64

Monitoring design criteria

(a) The permittee shall install on this boiler a flue gas recirculation (FGR) damper position sensor and a display for visual determination of the damper position. The installation shall be completed by February 15, 2016.

(b) The damper position indicator shall be continuously visible.

Boeing completed the installation on January 14, 2016.

 # 018 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.3]

Sections of PART 64

Monitoring design criteria

[Additional authority for this permit condition is from 25 Pa. Code Section 127.441.]

The permittee shall confirm ranges for final damper positions and variability. The following procedures shall be used.

(a) without firing the boiler:
The automated damper drive and sensor will be repeatedly opened and closed through 5-10 cycles for each fuel (natural gas and No. 2 fuel oil) setting. The display reading of the damper position shall be noted for each fuel cycle.

(b) with boiler firing:
For a two hour period of operation at maximum achievable load for each fuel, the following data shall be taken every 15 minutes:
(1) the display reading of the damper position;
(2) the concentrations of NOx, CO (in ppmv) and % oxygen in the flue gas, read with a portable analyzer.

Flow rate of each fuel shall be noted at the beginning and end of each 2-hour period.

(c) The permittee shall provide 5 business days notice to the Department of the above damper position confirmation.

(d) The damper position confirmation shall be completed by March 15, 2016.

Boeing completed the damper position confirmation on February 18, 2016.

IV. RECORDKEEPING REQUIREMENTS.

 # 019 [25 Pa. Code §123.22]

Combustion units

Pursuant to 25 Pa. Code Section 123.22(g)(5),

Beginning on July 1, 2016, the ultimate consumer of commercial No. 2 fuel oil shall maintain in electronic or paper format the record, obtained from the supplier, containing the following information:

(i) The date of the sale or transfer;

(ii) The name and address of the transferor;

(iii) The name and address of the transferee;

(iv) The volume of commercial fuel oil being sold or transferred;

(v) The identification of the sulfur content of the shipment of commercial fuel oil, determined using the sampling and testing methods specified in 25 Pa. Code Section 123.22(f)(1), expressed as the following for No. 2 fuel oil:

(a) Prior to September 1, 2020 -''The sulfur content of this shipment is 500 ppm or below.''
(b) On and after September 1, 2020 -''The sulfur content of this shipment is 15 ppm or below.''

(vi) The location of the commercial fuel oil at the time of transfer.

 # 020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 C.F.R. Sections 60.48c]

The permittee shall keep monthly records of the following:

(a) the amount and type of fuel

(b) the hours of operation

(c) the fuel supplier certification

 # 021 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

(a) In accordance with 40 CFR Section 60.48c(c)(1), the owner/operator shall keep records of the following information for each performance test conducted according to Method 9:

(1) dates and time intervals of all opacity observation periods;

(2) name, affiliation, and copy of current visible emission reading certification for each visible emission observer participating in the performance test; and

SECTION D. Source Level Requirements

(3) copies of all visible emission observer opacity field data sheets.

(b) For each performance test conducted according to Method 22, the owner/operator shall keep records of the following information as required by 40 CFR 60.48c(c)(2):

(1) Dates and time intervals of all visible emissions observation periods;

(2) Name and affiliation for each visible emission observer participating in the performance test;

(3) Copies of all visible emission observer opacity field data sheets; and

(4) Documentation of any adjustments made and the time the adjustments were completed to the affected facility operation by the owner or operator to demonstrate compliance with the applicable monitoring requirements.

(c) For each digital opacity compliance system or other site-specific monitoring plan, the owner or operator shall maintain records and submit reports according to the requirements specified in the site-specific monitoring plan approved by the Administrator.

 # 022 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

In accordance with 40 CFR Section 60.48c(f)(1), the owner/operator shall keep a record of the fuel supplier certification for No. 2 fuel oil shall with the following information:

(a) the name of the oil supplier;
(b) a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR Section 60.41c and;
(c) the sulfur content or maximum sulfur content of the oil.

 # 023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

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

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

Pursuant to 40 CFR Section 63.7540(10), the permittee shall maintain on site and submit, if requested by the Administrator, a report containing the following information;

(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, required by 40 CFR Section 63.7540 (10) and (12) (Condition #038);

(b) a description of any corrective actions taken as a part of the tune-up;

(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.

 # 024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

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

What records must I keep?

The permittee shall keep the following records, in accordance with with 40 CFR Section 63.7555(a), and (h):

(a) A copy of each notification and report submitted to comply with 40 CFR Part 63 Subpart DDDDD, including all documentation;

(b) When an alternative fuel other than a gas 1 fuel is used, a record of the total hours per calendar year that the alternative

fuel is burned and the total hours per calendar year that the boiler operated during periods of gas curtailment or gas supply emergencies;

 # 025 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.9]

Sections of PART 64

Reporting and recordkeeping requirements

(a) The permittee shall keep records of the display reading of each damper position for each fuel during the damper position range confirmation (without boiler firing) (Condition # 018(a)).

(b) The permittee shall keep the following records during the damper position range confirmation (with boiler firing) (Condition #018(b)):

(1) records of the display reading of the damper position every 15 minutes;
(2) NOx, CO, oxygen concentrations every 15 minutes
(3) fuel rates at the beginning and end of the 2-hour monitoring period for each fuel.

 # 026 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.9]

Sections of PART 64

Reporting and recordkeeping requirements

After receiving Department notice to implement the CAM plan, the permittee shall record the damper position indicator once per shift, or any fraction thereof, that the boiler operates.

Boeing received Department notice to implement the CAM Plan on April 8, 2016.

 # 027 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.9]

Sections of PART 64

Reporting and recordkeeping requirements

The permittee shall keep a record of excursions to the monitoring of damper position (Condition #026) to include the date of the deviation and the actions taken to restore normal operation.

 # 028 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.9]

Sections of PART 64

Reporting and recordkeeping requirements

[Additional authority for this permit condition is from 25 pa. Code Section 127.441.]

The permittee shall keep the following records:

(a) a record of the report of data taken during the damper position range confirmation and any recommended changes to the range specified in Condition # 042.

(b) any revisions by the Department to the estimated range of damper positions (Condition #042).

 # 029 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.9]

Sections of PART 64

Reporting and recordkeeping requirements

The permittee shall keep a record of quality assurance practices to confirm continuing validity of the damper positions.

V. REPORTING REQUIREMENTS.

 # 030 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

(a) In accordance with 40 CFR Sections 60.48c(d), 60.48c(e) and (e)(11) and (j), the owner/operator of boilers subject to fuel

SECTION D. Source Level Requirements

sulfur limitations under Part 60 Subpart Dc shall keep records and submit reports to the Administrator of fuel oil usage and certification.

(1) The reporting period is each 6-month period;

(2) The report shall contain:
(i) the calendar dates covered in the reporting period;
(ii) each 30-day average fuel sulfur content (weight percent); reasons for any noncompliance with the limits and a description of the corrective actions taken;
(iii) fuel supplier certifications for fuel combusted during the reporting period;
(iv) a certified statement signed by the owner/operator that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.
(3) All reports after the initial report shall be postmarked by the 30th day following the end of the reporting period.

(b) In accordance with 40 CFR Section 60.48c(c), the owner/operator shall submit reports to the Administrator of any opacity exceedances of Condition #006 of this section.

 # 031 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

[Additional authority for this condition is derived from 25 Pa. Code Section 127.441.]

(a) In accordance with 40 CFR Section 60.48c(b), the owner/operator shall submit to the Administrator the opacity performance test data from the initial and any subsequent performance test.

(b) In accordance with 40 CFR Section 60.13(c)(2), this report shall be submitted within 60 days of performance of the test.

(c) The opacity test data submitted shall include the records kept in accordance with 40 CFR Section 60.48c(c)(1).

 # 032 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

As specified in 40 CFR Sections 63.7545(b) and 63.9(b)(2), if an owner/operator starts up a source subject to 40 CFR Part 63 Subpart DDDDD before January 31, 2013, he/she must submit an Initial Notification not later than 120 days after January 31, 2013.

The Initial Notification shall include the following information:

(a) the name and address of the owner or operator;

(b) the address (i.e. physical location) of the affected source;

(c) an identification of the relevant standard for the notice;

(d) a brief description of the nature, size, design and method of operation of the source and an identification of the types of emission points within the affected source subject to the standard and the types of hazardous pollutants emitted; and

(e) a statment of whether the facility is major or an area source.

[Boeing submitted the Initial Notification on May 31, 2013.]

 # 033 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

SECTION D. Source Level Requirements

[Additional authority for this permit condition is from 40 CFR Section 63.9(h) and 40 CFR Section 63.7530(d) and (e).]

A notification of compliance status shall be sent to the Administrator before the 60th day following completion of the initial tune-up and of the energy assessment , required under 40 CFR Part 63 Subpart DDDDD, and contain the following information in addition to the information required by 40 CFR Section 63.9(h)(2),

(a) the following certification of compliance, signed by a responsible official
(for the tune-up)

"This facility complies with the required initial tune-up according to the procedures in 40 CFR Section 63.7540 (a)(10)(i) through (vi)."

(for the energy assessment)

"This facility has had an energy assessment performed according to 40 CFR Section 63.7530(e)."

(b) If there was a deviation from the requirements, a description of the deviation, its duration and the corrective action taken.

[Boeing submitted the Notification of Compliance Status on March 25, 2016].

 # 034 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

Pursuant to 40 CFR Section 63.7545(f),

The owner/operator who fires gas 1 fuels subject to 40 CFR Part 63 Subpart DDDDD and intends to use an alternate fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in 40 CFR Section 63.7575, must submit a notification of alternative fuel use to the Administrator within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in 40 CFR Section 63.7575. The notification must include the following information:

(a) company name and address;

(b) Identification of the affected unit(s).

(c) Reason natural gas or equivalent fuel is unable to be used, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.

(d) Type of alternative fuel intended to be to used.

(e) Dates when the alternative fuel use is expected to begin and end.

 # 035 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

(a) In accordance with 40 CFR Section 63.7550(b), the owner/operator of a boiler subject only to a five-year tune-up, shall submit 5-year compliance reports as follows:

The first compliance report for this existing boiler must cover the 5-year period beginning on January 31, 2016 and ending January 31, 2021 and be postmarked or submitted no later than January 31, 2022. Subsequent reports shall cover the applicable 5-year periods from January 1 to December 31 and must be postmarked or submitted no later than January 31 of the year following the end of the reporting period.

(b) In accordance with 40 CFR Section 63.7550(c), the compliance report for a facility subject to the requirements for a

SECTION D. Source Level Requirements

tuneup
shall contain the following information:

(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 date of the most recent tune-up and the date of the most recent burner inspection if it was not done on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown;

(v) 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.

(c) In accordance with 40 CFR Section 63.7550 (h)(3), the compliance report shall be submitted electronically using CEDRI that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to Subpart DDDDD is not available in CEDRI at the time that the report is due the report shall be mailed to the Administrator.

 # 036 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.9]

Sections of PART 64

Reporting and recordkeeping requirements

The permittee shall provide the Department with a written report of the damper position readings and all other data taken during the damper position confirmation. The permittee shall recommend any changes to the estimated damper position ranges in Condition # 042.

The report shall be provided to the Department by April 15, 2016.

Boeing provided the report to the Department on March 30, 2016.

 # 037 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.9]

Sections of PART 64

Reporting and recordkeeping requirements

After receiving Department notice to implement the CAM Plan, the permittee shall report any excursions from the specified damper position, with the facility's semi-annual deviation report required in Section C of this Operating Permit.

VI. WORK PRACTICE REQUIREMENTS.

 # 038 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

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

Pursuant to 40 CFR Section 63.7500 (a)(1) and Table 3 No. 4 of 40 CFR Part 63 Subpart DDDDD,

(1) an existing boiler under the Subpart 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 below, satisfies the energy assessment requirement. A facility that operates under an energy management program compatible with ISO 50001 that includes the existing boilers 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 40 CFR Section 63.7575 (paragraph (2) of this Condition):

(a) A visual inspection of the boiler;

(b) An evaluation of operating characteristics of the boiler systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints;

SECTION D. Source Level Requirements

(c) An inventory of major energy use systems consuming energy from affected boilers which are under the control of the boiler 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 practices and recommendations for improvements consistent with the definition of energy management practices, if identified;

(f) A list of cost-effective energy conservation measures that are within the facility's control;

(g) A list of the energy savings potential of the energy conservation measures identified;

(h) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

(2) Pursuant to 40 CFR Section 63.7575, "energy assessment" for sources subject to 40 CFR Part 63 Subpart DDDDD is defined as follows:

The energy assessment for facilities with affected boilers and process heaters with a combined heat input capacity greater than 1.0 TBtu/year will be up to 24 on-site technical labor hours in length for the first TBtu/yr plus 8 on-site technical labor hours for every additional 1.0 TBtu/yr not to exceed 160 on-site technical hours, but may be longer at the discretion of the owner or operator of the affected source. The boiler system(s), process heater(s), and any on-site energy use system(s) accounting for at least 20 percent of the energy (e.g., steam, process heat, hot water, or electricity) production, as applicable, will be evaluated to identify energy savings opportunities.

(3) "Qualified energy assessor" is as defined by 40 CFR Section 63.7575

[Boeing completed the Energy Assessment on January 27, 2016.]

 # 039 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

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

[Additional authority for this permit condition is from 40 CFR Section 63.7500(a)(3).]

The permittee shall operate and maintain this boiler, including any associated air pollution control and monitoring equipment in a manner consistent with safety, good air pollution control practices for minimizing emissions and manufacturer specifications.

Pursuant to 40 CFR Section, 63.7500(a)(3), 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.

 # 040 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

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

Additional authority for this permit condition is from 40 CFR Sections 63.7515(d), 63.7540 (12) and (13).]

(a) Pursuant to 40 CFR Section 63.7500 (a) (1) and 40 CFR Part 63 Subpart DDDDD Table 3 No. 1,

The owner/operator of a boiler with a continuous oxygen trim system that maintains an optimum air to fuel ratio shall conduct a tune-up every 5 years, according to the requirements of 40 CFR Section 63.7540, as follows:

SECTION D. Source Level Requirements

(1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the burner inspection may be delayed until the next scheduled unit shutdown, but each burner must be inspected at least once every 72 months).

(2) 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;

(3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the inspection may be delayed until the next scheduled unit shutdown).

(4) 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;

(5) 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.

(b) Each 5-year tune-up must be conducted no more than 61 months after the previous tune-up.

(c) 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.

(d) If an oxygen trim system is not used, the tune-up frequency shall be on an annual basis with associated compliance reporting corresponding to the annual frequency described in 40 CFR Section 63.7550.

 # 041 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.3]

Sections of PART 64

Monitoring design criteria

The permittee shall develop and implement quality assurance practices to confirm continuing validity of the damper positions.

 # 042 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.3]

Sections of PART 64

Monitoring design criteria

After receiving Department notice to implement the CAM Plan,

(a) The permittee shall operate the boiler so that the FGR damper position is as determined during the damper range confirmation, subsequent reporting and as revised by the Department (Conditions #018, #036, #041). The dampler positions is as follows:

93% open when firing fuel oil;
100% open when firing natural gas

(b) The above position may be revised by the Department based on data reported by the permittee during the range confirmation, manufacturer recommendations or other data.

 # 043 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.7]

Sections of PART 64

Operation of approved monitoring

After receiving Department notice to implement the CAM Plan,
If the damper positions are outside the range specified (Condition #042), the permittee shall take the following actions:

(a) A report shall be made to the Environmental Health and Safety Department and the facility management;

SECTION D. Source Level Requirements

(b) corrective action shall be initiated up to taking the boiler off-line;

(c) repairs to the damper or other associated equipment shall be initiated.

Note: Serious excursions to the damper position range specified in Condition #042, may subject the facility to malfunction reporting requirements in Section C of this Operating Permit.

 # 044 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.8]

Sections of PART 64

Quality improvement plan (QIP) requirements

If there are more than 10 excursions from the damper position range, the Department may require the permittee to develop a Quality Improvement Plan (QIP).

VII. ADDITIONAL REQUIREMENTS.

 # 045 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This boiler is subject to 40 CFR Part 63 Subpart DDDDD and shall comply with all applicable requirements unless superseded by more stringent regulations.

 # 046 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Conditions for the storage tank (FML06) are described in Section D, Source ID 054.

 # 047 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The source regulated by this Section is a Nebraska steam boiler Model No. NB-300D-50, Serial No. D-5048, manufactured in 2008.

 # 048 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

Pursuant to 40 C.F.R. Section 60.4, the permittee shall submit all requests, reports, applications, submittals, and other communications to both the Environmental Protection Agency (EPA) and the Department. The EPA and the Department copies shall be forwarded to:

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

Air Quality Program Manager
Pennsylvania Department of Environmental Protection
Bureau of Air Quality
2 East Main Street
Norristown, PA 19401

 # 049 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]

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

When do I have to comply with this subpart?

Pursuant to 40 CFR Section 63.7495(b), the owner/operator of an existing boiler under the Subpart, shall comply with all applicable requirements of 40 CFR Part 63, Subpart DDDDD no later than January 31, 2016.

SECTION D. Source Level Requirements

 # 050 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

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

Pursuant to 40 CFR Sections 63.7500 (f) and 63.7505(a), the boiler must be operated in compliance with all applicable workpractice and operating limit requirements of 40 CFR Part 63 Subpart DDDDD at all times, except during startup and shutdown.

 # 051 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]

Sections of PART 64

Approval of monitoring

The Department reserves the right to request additional data beyond that indicated in this Operating Permit to assure the requirements of 40 CFR Section 64 are met.

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

SECTION D. Source Level Requirements

Source ID: 054 Source Name: CLEAVER BROOKS 4 BOILER (BLDG 3-05)

Source Capacity/Throughput:	24.500	MMBTU/HR	
	24.500	MCF/HR	Natural Gas
	176.600	Gal/HR	#2 Oil

I. RESTRICTIONS.

Emission Restriction(s).

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

Operation of this combustion unit may not, at any time, result in the emission of particulate matter in excess of 0.4 lb/MMBtu of heat input as specified in 25 Pa. Code Section 123.22 (relating to combustion units).

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2, from any combustion unit, in the Southeast Air Basin, in excess of 1 pounds per million Btu of heat input, pursuant to 25 Pa. Code §123.22(e)(1).

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

The combined emission limitations for Source 053 (Nebraska Boiler) and Source 054 (Cleaver Brooks 4 Boiler), firing either
Number 2 fuel oil or natural gas, shall not exceed the following on a 12-month rolling basis:

Nitrogen Oxides (NOx) < 26.94 tons per year
Sulfur Oxides (SOx) < 38.86 tons per year
Sulfuric Acid Mist (H2SO4) < 3.64 tons per year

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

This combustion unit shall not exceed the following emission limits:

(a) 30 ppmdv NOx at 3% oxygen when firing natural gas

(b) 90 ppmdv NOx at 3% oxygen when firing No. 2 fuel oil; and

(c) 300 ppmdv CO at 3% oxygen.

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.42c]
Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Standard for sulfur dioxide.

No owner or operator of an affected facility that combusts oil, shall cause to be discharged into the atmosphere from that affected facility any gases that contain SO2 in excess of 215 ng/J (0.50 lb/million Btu) heat input, pursuant to 40 C.F.R. Section 60.42c(d).

SECTION D. Source Level Requirements

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code Section 123.22(e)(1)]

Fuel Restriction(s).

 # 006 [25 Pa. Code §123.22]

Combustion units

(a) A person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 0.05% by weight sulfur content, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

(b) Commercial fuel oil that was stored in the Commonwealth by the ultimate consumer

(i) prior to July 1, 2016 which met the applicable maximum allowable sulfur content for commercial fuel oil through June 30, 2016 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after July 1, 2016.

(ii) prior to September 1, 2020 which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after August 31, 2020.

(c) On and after September 1, 2020, a person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 15 ppm or 0.0015% by weight for No. 2; by weight sulfur content, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

[Compliance with this streamlined permit condition assures compliance with 40 C.F.R. Section 60.42c(d).]

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 40 CFR Section 63.7575.]

(a) The owner/operator shall only burn, in this combustion unit, natural gas and or commercial No. 2 fuel oil to which no reclaimed waste oil or other waste materials have been added.

(b) In order to limit the applicable requirements of 40 CFR Part 63 Subpart DDDDD to those in this Operating Permit,

(1) the permittee shall operate this boiler as a "unit designed to burn gas 1 subcategory," as defined in 40 CFR Section 63.7575 as follows:

"any boiler 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 that burn liquid fuel during periods of gas curtailment or gas supply interruptions of any duration are also included in this definition."

with period of gas curtailment or supply interruption defined as:

"a period of time during which the supply of gaseous fuel to an affected boiler is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under the control of a facility for the purposes of this definition. An increase in the cost or unit price of natural gas due to normal market fluctuations not during periods of supplier delivery restriction does not constitute a period of natural gas curtailment or supply interruption. On-site gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the

control of the facility."

(2) The permittee shall employ a continuous oxygen trim system on this boiler that maintains an optimum air to fuel ratio.

Throughput Restriction(s).

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The combined usage of Number 2 fuel oil shall not exceed 2,731,200 gallons/yr on a 12-month rolling basis for the Source 053 - Nebraska Boiler and Source 054 - Cleaver Brooks 4 Boiler.

(b) The combined usage of natural gas shall not exceed 851,472,000 cubic feet/yr on a 12-month rolling basis for the Source 053 - Nebraska Boiler and Source 054 - Cleaver Brooks 4 Boiler.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall not store organic liquids having a vapor pressure greater than 1.5 psia in the tank associated with the combustion unit.

II. TESTING REQUIREMENTS.

 # 010 [25 Pa. Code §123.22]

Combustion units

Pursuant to 25 Pa. Code Section 123.22(f),

(a) The actual sulfur content of commercial fuel oil shall be determined:

(1) in accordance with the sample collection, test methods and procedures specified under 25 Pa. Code § 139.16 (relating to sulfur in fuel oil); or
(2) by other methods developed or approved by the Department or the Administrator of the EPA, or both.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following pertains to compliance demonstration with Section D Source ID 054 Condition #011 of the August 27, 2009 issuance of TVOP 23-00009.

(a) The permittee shall demonstrate compliance with the emission limitations for NOx and CO established in Condition #003 of this permit section on a one-time basis unless otherwise requested by the Department.

(b) The demonstration may include any one of the following methods:

(1) Performance stack testing in accordance with applicable provisions of 25 Pa. Code Chapter 139 (relating to sampling and testing).

(2) Portable analyzers approved by the Department.

(3) Recent test data approved by the Department for identical boilers.

(c) If performance testing according to 25 Pa. Code Chapter 139 (relating to sampling and testing) is chosen for demonstration of compliance, the permittee shall:

(1) Conduct all tests in accordance with the Department's latest Source Testing Manual.

(2) Submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location

of sampling ports and other data to ensure the collection of representative samples at least ninety (90) days prior to the stack test.

(3) Notify the regional Air Quality Program Manager of the date and time of any testing, 30 days prior to the stack test.

(4) Submit one paper copy plus one electronic copy of the complete test report, including all operating conditions, within sixty (60) days of completion of testing to the Regional Air Quality Program Manager.

Note: Testing was performed on January 20, 2016 and a report submitted on February 11, 2016.

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall, at the request of the Department, provide fuel analyses, or fuel samples of the fuels used in this combustion unit.

 # 013 [25 Pa. Code §139.16]

Sulfur in fuel oil.

[Additional authority for this permit condition is from 25 Pa. Code Section 127.441.]

(a) The following are applicable to the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) and (21) (relating to references).

(2) Test methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15) and (20).

(3) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The requirements in subpart (a), above, shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

[Compliance with this streamlined permit condition, paragraph (b) assures compliance with 40 C.F.R. Sections 60.42c(h)(1) and 60.48c(f)(1).]

III. MONITORING REQUIREMENTS.

 # 014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall annually perform NOx and CO emissions monitoring on this boiler using a portable analyzer approved by the Department. The monitoring, consisting of a measurement(s) of about 15 minutes duration, may be performed with the annual tune-up on this boiler. There shall be no more than 15 months between consecutive monitoring unless otherwise approved by the Department. Readings shall be taken for NOx, CO (ppmv) and oxygen (vol %).

(b) The first time portable analyzer monitoring is conducted under this condition, the permittee shall submit the following information to the Department at least 10 days prior to taking the portable analyzer readings on the boiler.

(1) A sketch with dimensions indicating the location of the readings
(2) Number of analyzer readings to be taken
(3) Proposed boiler load during measurements. Boiler load shall be as close to maximum as can be achieved.

(c) In accordance with Section C, Condition #009, the Department reserves the right to require stack testing or additional portable analyzer monitoring, based on, but not limited to, the results of the portable analyzer monitoring.

SECTION D. Source Level Requirements

 # 015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall install and maintain a natural gas meter and an oil meter to determine and record the amount of fuel usage.

IV. RECORDKEEPING REQUIREMENTS.

 # 016 [25 Pa. Code §123.22]

Combustion units

Pursuant to 25 Pa. Code Section 123.22(g)(5),

Beginning on July 1, 2016, the ultimate consumer of commercial No. 2 fuel oil shall maintain in electronic or paper format the record, obtained from the supplier, containing the following information:

(i) The date of the sale or transfer;

(ii) The name and address of the transferor;

(iii) The name and address of the transferee;

(iv) The volume of commercial fuel oil being sold or transferred;

(v) The identification of the sulfur content of the shipment of commercial fuel oil, determined using the sampling and testing methods specified in 25 Pa. Code Section 123.22(f)(1), expressed as the following for No. 2 fuel oil:

(a) Prior to September 1, 2020 -‘‘The sulfur content of this shipment is 500 ppm or below.’’
(b) On and after September 1, 2020 -‘‘The sulfur content of this shipment is 15 ppm or below.’’

(vi) The location of the commercial fuel oil at the time of transfer.

 # 017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) For portable analyzer monitoring conducted pursuant to Condition #015 for this source, the permittee shall record the date, the level and units of the NOx, CO and oxygen readings as well as the following information:

(1) A sketch with dimensions indicating the location of the readings
(2) Manufacturer/Model number of the analyzer
(3) Certification of analyzer calibration
(4) Number of analyzer readings taken
(5) Boiler load during measurements. Boiler load shall be as close to maximum as can be achieved.

(b) the permittee shall forward the results to the Department upon request.

(c)The portable analyzer readings for annual monitoring in section (a) of this Condition shall not be relied upon to demonstrate compliance with the limitations in Condition #003.

 # 018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

In accordance with 40 CFR Section 60.48c(f)(1), the owner/operator shall keep a record of the fuel supplier certification for No. 2 fuel oil shall with the following information:

(a) the name of the oil supplier;
(b) a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR Section 60.41c and;

SECTION D. Source Level Requirements

(c) the sulfur content or maximum sulfur content of the oil.

 # 019 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

(a) The permittee shall maintain daily fuel consumption records in accordance with 40 CFR Section 60.48c(g). These records shall contain the amount and type of fuel combusted.

(b) As provided by 40 CFR Section 60.48c(g)(2), as an alternate to meeting the requirements of paragraph (a) of this Condition, the owner/operator of an affected facility that combusts natural gas or a fuel using fuel certification to demonstrate compliance with sulfur dioxide limits in Subpart Dc, may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

 # 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

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

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

[Additional authority for this permit condition is from 25 Pa. Code Sections 129.111 - 129.115.]

Pursuant to 40 CFR Section 63.7540(10), the permittee shall maintain on site and submit, if requested by the Administrator, a report containing the following information;

(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, required by 40 CFR Section 63.7540 (10) and (12) (Condition #032);

(b) a description of any corrective actions taken as a part of the tune-up;

(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.

(2) Pursuant to 25 Pa. Code Section 129.100(g),
the owner or operator of a combustion unit performing a tune-up under 25 Pa. Code Section 129.97(b) (Condition #032), shall record each adjustment conducted under the procedures in 25 Pa. Code Section 129.97(b). The record must contain at the minimum:

(a) the date of the tuning procedure.
(b) the name of the service company and the technician performing the procedure.
(c) the final operating rate or load.
(d) the final NOx and CO emission rates.
(e) the final excess oxygen rate.
(f) the information in part (1) of this condition.

 # 021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

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

What records must I keep?

The permittee shall keep the following records, in accordance with with 40 CFR Section 63.7555(a), (h):

(a) A copy of each notification and report submitted to comply with 40 CFR Part 63 Subpart DDDDD, including all documentation;

SECTION D. Source Level Requirements

(b) When an alternative fuel other than a gas 1 fuel is used, a record of the total hours per calendar year that the alternative fuel is burned and the total hours per calendar year that the boiler operated during periods of gas curtailment or gas supply emergencies;

V. REPORTING REQUIREMENTS.

 # 022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall notify the Department and EPA, as appropriate of any changes in the products stored in the tank and describe how the change affects applicable requirements and how those applicable requirements are being met. In accordance with 25 Pa. Code Section 127.14(c), this notice shall be provided 7 days prior to a change that involves no equipment changes or 15 days prior to a change that involves equipment changes.

 # 023 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

In accordance with 40 CFR Sections 60.48c(d), 60.48c(e) and (e)(11) and (j), the owner/operator of boilers subject to fuel sulfur limitations under Part 60 Subpart Dc shall keep records and submit reports to the Administrator of fuel oil usage and certification.

(1) The reporting period is each 6-month period;

(2) The report shall contain:

(i) the calendar dates covered in the reporting period;

(ii) each 30-day average fuel sulfur content (weight percent); reasons for any noncompliance with the limits and a description of the corrective actions taken;

(iii) fuel supplier certifications for fuel combusted during the reporting period;

(iv) a certified statement signed by the owner/operator that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

(3) All reports after the initial report shall be postmarked by the 30th day following the end of the reporting period.

 # 024 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

Pursuant to 40 C.F.R. Section 60.4, the permittee shall submit all requests, reports, applications, submittals, and other communications to both the Environmental Protection Agency (EPA) and the Department. The EPA and the Department copies shall be forwarded to:

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

Air Quality Program Manager
Pennsylvania Department of Environmental Protection
Bureau of Air Quality
2 East Main Street
Norristown, PA 19401

 # 025 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

Pursuant to 40 CFR Section 63.7545(f),

SECTION D. Source Level Requirements

The owner/operator who fires gas 1 fuels subject to 40 CFR Part 63 Subpart DDDDD and intends to use an alternate fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in 40 CFR Section 63.7575, must submit a notification of alternative fuel use to the Administrator within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in 40 CFR Section 63.7575. The notification must include the following information:

(a) company name and address;

(b) Identification of the affected unit(s).

(c) Reason natural gas or equivalent fuel is unable to be used, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.

(d) Type of alternative fuel intended to be to used.

(e) Dates when the alternative fuel use is expected to begin and end.

 # 026 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

As specified in 40 CFR Sections 63.7545(b) and 63.9(b)(2), if an owner/operator starts up a source subject to 40 CFR Part 63 Subpart DDDDD before January 31, 2013, he/she must submit an Initial Notification not later than 120 days after January 31, 2013.

The Initial Notification shall include the following information:

(a) the name and address of the owner or operator;

(b) the address (i.e. physical location) of the affected source;

(c) an identification of the relevant standard for the notice;

(d) a brief description of the nature, size, design and method of operation of the source and an identification of the types of emission points within the affected source subject to the standard and the types of hazardous pollutants emitted; and

(e) a statment of whether the facility is major or an area source.

[Boeing submitted the Initial Notification on May 31, 2013.]

 # 027 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

[Additional authority for this permit condition is from 40 CFR Section 63.9(h) and 40 CFR Section 63.7530(d) and (e).]

A notification of compliance status shall be sent to the Administrator before the 60th day following completion of the initial tune-up and of the energy assessment , required under 40 CFR Part 63 Subpart DDDDD, and contain the following information in addition to the information required by 40 CFR Section 63.9(h)(2),

(a) the following certification of compliance, signed by a responsible official
(for the tune-up)

"This facility complies with the required initial tune-up according to the procedures in 40 CFR Section 63.7540 (a)(10)(i) through (vi)."

SECTION D. Source Level Requirements

(for the energy assessment)

"This facility has had an energy assessment performed according to 40 CFR Section 63.7530(e)."

(b) If there was a deviation from the requirements, a description of the deviation, its duration and the corrective action taken.

[Boeing submitted the Notification of Compliance Status on March 25, 2016.]

 # 028 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

(a) In accordance with 40 CFR Section 63.7550(b), the owner/operator of a boiler subject only to a five-year tune-up, shall submit 5-year compliance reports as follows:

The first compliance report for this existing boiler must cover the 5-year period beginning on January 31, 2016 and ending January 31, 2021 and be postmarked or submitted no later than January 31, 2022. Subsequent reports shall cover the applicable 5-year periods from January 1 to December 31 and must be postmarked or submitted no later than January 31 of the year following the end of the reporting period.

(b) In accordance with 40 CFR Section 63.7550(c), the compliance report for a facility subject to the requirements for a tuneup
shall contain the following information:

(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 date of the most recent tune-up and the date of the most recent burner inspection if it was not done on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown;

(v) 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.

(c) In accordance with 40 CFR Section 63.7550 (h)(3), the compliance report shall be submitted electronically using CEDRI that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to Subpart DDDDD is not available in CEDRI at the time that the report is due the report shall be mailed to the Administrator.

VI. WORK PRACTICE REQUIREMENTS.

 # 029 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The combustion unit and storage tank for the fuel oil shall be:

(a) Operated in such manner as not to cause air pollution.

(b) Operated and maintained in a manner consistent with good operating and maintenance practices.

(c) Operated and maintained in accordance with the manufacture's specifications and the applicable terms and conditions in this Section.

 # 030 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

SECTION D. Source Level Requirements

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

Pursuant to 40 CFR Section 63.7500 (a)(1) and Table 3 No. 4 of 40 CFR Part 63 Subpart DDDDD,

(1) an existing boiler under the Subpart 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 below, satisfies the energy assessment requirement. A facility that operates under an energy management program compatible with ISO 50001 that includes the existing boilers 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 40 CFR Section 63.7575 (paragraph (2) of this Condition):

(a) A visual inspection of the boiler;

(b) An evaluation of operating characteristics of the boiler 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 which are under the control of the boiler 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 practices and recommendations for improvements consistent with the definition of energy management practices, if identified;

(f) A list of cost-effective energy conservation measures that are within the facility's control;

(g) A list of the energy savings potential of the energy conservation measures identified;

(h) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

(2) Pursuant to 40 CFR Section 63.7575, "energy assessment" for sources subject to 40 CFR Part 63 Subpart DDDDD is defined as follows:

The energy assessment for facilities with affected boilers and process heaters with a combined heat input capacity greater than 1.0 TBtu/year will be up to 24 on-site technical labor hours in length for the first TBtu/yr plus 8 on-site technical labor hours for every additional 1.0 TBtu/yr not to exceed 160 on-site technical hours, but may be longer at the discretion of the owner or operator of the affected source. The boiler system(s), process heater(s), and any on-site energy use system(s) accounting for at least 20 percent of the energy (e.g., steam, process heat, hot water, or electricity) production, as applicable, will be evaluated to identify energy savings opportunities.

(3) "Qualified energy assessor" is as defined by 40 CFR Section 63.7575

[Boeing completed the Energy Assessment on January 27, 2016.]

 # 031 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

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

[Additional authority for this permit condition is from 40 CFR Section 63.7500(a)(3).]

The permittee shall operate and maintain this boiler, including any associated air pollution control and monitoring equipment in a manner consistent with safety, good air pollution control practices for minimizing emissions and manufacturer specifications.

SECTION D. Source Level Requirements

Pursuant to 40 CFR Section, 63.7500(a)(3), 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.

 # 032 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

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

Additional authority for this permit condition is from 40 CFR Sections 63.7515(d), 63.7540 (12) and (13) and 25 Pa. Code Section 129.111 - 129.115.]

(a) Pursuant to 40 CFR Section 63.7500 (a) (1) and 40 CFR Part 63 Subpart DDDDD Table 3 No. 1 and 25 Pa. Code Section 129.97(b)(2),

The owner/operator of a boiler with a continuous oxygen trim system that maintains an optimum air to fuel ratio shall conduct a tune-up every 5 years, according to the requirements of 40 CFR Section 63.7540 and 25 Pa. Code Section 129.97 (b)(2) (which is the presumptive RACT), as follows:

(1) Inspect, clean or replace fuel burning equipment, including the burners and components, as necessary, for proper operation as specified by the manufacturer;

(2) Inspect the flame pattern and adjust the burner, as necessary, to optimize the flame pattern to minimize total emissions of NOx and to the extent possible, emissions of CO. The adjustment should be consistent with the manufacturer's specifications, if available;

(3) Inspect and adjust, as necessary, the system controlling the air-to-fuel ratio, to ensure that it is correctly calibrated and operates properly as specified by the manufacturer.

(4) 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;

(5) 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.

(b) Each 5-year tune-up must be conducted no more than 61 months after the previous tune-up and conform to the once in a 5-year calendar period requirement.

(c) If an oxygen trim system is not used, the tune-up frequency shall be on an annual basis with associated compliance reporting corresponding to the annual frequency described in 40 CFR Section 63.7550.

VII. ADDITIONAL REQUIREMENTS.

 # 033 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This boiler is subject to 40 CFR Part 63 Subpart DDDDD and shall comply with all applicable requirements unless superseded by more stringent regulations.

 # 034 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The sources regulated by this Section include a Cleaver Brooks hot water boiler (24.5 MMBtu/hr), CBLE Model No. CBI-200-600-125, Serial No. OL106057, and a storage tank (FML06).

 # 035 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]

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

SECTION D. Source Level Requirements

When do I have to comply with this subpart?

Pursuant to 40 CFR Section 63.7495(b), the owner/operator of an existing boiler under the Subpart, shall comply with all applicable requirements of 40 CFR Part 63, Subpart DDDDD no later than January 31, 2016.

 # 036 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

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

Pursuant to 40 CFR Sections 63.7500 (f) and 63.7505(a), the boiler must be operated in compliance with all applicable workpractice and operating limit requirements of 40 CFR Part 63 Subpart DDDDD at all times, except during startup and shutdown.

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

SECTION D. Source Level Requirements

Source ID: 055 Source Name: CB - 5 BOILER (BLDG 4-14)

Source Capacity/Throughput:	49.000	MMBTU/HR	
	353.200	Gal/HR	#2 Oil
	49.000	MCF/HR	Natural Gas

Conditions for this source occur in the following groups: 4-14 BOILERS
CB-5,6,AND 7 BOILERS

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This boiler is identified by the code T2580-1-1 (BCC L00090656).

SECTION D. Source Level Requirements

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) This boiler shall be a Cleaver-Brooks Model CBL-200-1200-200ST, Model Year 2012, firetube boiler.

(b) Low NOx burners (LNB) and flue gas recirculation (FGR) shall be an integral part of the boiler design. No modification to the vendor design shall be carried out by the owner/operator without prior written Department approval.

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

SECTION D. Source Level Requirements

Source ID: 056 Source Name: CB - 6 BOILER (BLDG 4-14)

Source Capacity/Throughput:	49.000	MMBTU/HR	
	353.200	Gal/HR	#2 Oil
	49.000	MCF/HR	Natural Gas

Conditions for this source occur in the following groups: 4-14 BOILERS
CB-5,6,AND 7 BOILERS

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This boiler is identified by the code T2580-1-2 (BCC L00090657).

SECTION D. Source Level Requirements

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) This boiler shall be a Cleaver-Brooks Model CBL-200-1200-200ST, Model Year 2012, firetube boiler.

(b) Low NOx burners (LNB) and flue gas recirculation (FGR) shall be an integral part of the boiler design. No modification to the vendor design shall be carried out by the owner/operator without prior written Department approval.

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

SECTION D. Source Level Requirements

Source ID: 057 Source Name: CB - 7 BOILER (BLDG 4-14)

Source Capacity/Throughput:			
	49.000	MMBTU/HR	
	49.000	MCF/HR	Natural Gas
	353.200	Gal/HR	#2 Oil

Conditions for this source occur in the following groups: 4-14 BOILERS
CB-5,6,AND 7 BOILERS

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This boiler is identified by the code T2580-1-3 (BCC L00090658).

SECTION D. Source Level Requirements

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) This boiler shall be a Cleaver-Brooks Model CBL-200-1200-200ST, Model Year 2012, firetube boiler.

(b) Low NOx burners (LNB) and flue gas recirculation (FGR) shall be an integral part of the boiler design. No modification to the vendor design shall be carried out by the owner/operator without prior written Department approval.

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

SECTION D. Source Level Requirements

Source ID: 058 Source Name: NEBRASKA 2 BOILER (BLDG 3-05)

Source Capacity/Throughput:	36.000	MMBTU/HR	
	243.000	Gal/HR	#2 Oil
	36.000	MCF/HR	Natural Gas

Conditions for this source occur in the following groups: NEBRASKA 2 & 3

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

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

SECTION D. Source Level Requirements

Source ID: 059 Source Name: NEBRASKA 3 BOILER (BLDG 3-05)

Source Capacity/Throughput:	36.000	MMBTU/HR	
	243.000	Gal/HR	#2 Oil
	36.000	MCF/HR	Natural Gas

Conditions for this source occur in the following groups: NEBRASKA 2 & 3

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

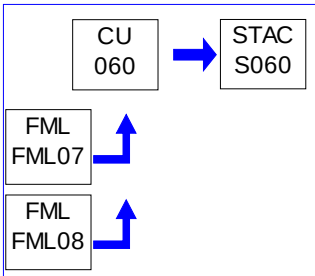
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 060 Source Name: SUP-3 BOILER (BLDG 4-14)

Source Capacity/Throughput: 49.000 MMBTU/HR

Conditions for this source occur in the following groups: 4-14 BOILERS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.11]

Combustion units

Pursuant to 25 Pa. Code Section 123.11(a)(1),

The permittee may not permit the emission into the outdoor atmosphere of particulate matter from this boiler in excess of the rate of 0.4 pound per million Btu of heat input.

[Unless otherwise determined, at this time the Department accepts the values of 0.01 lb/MMBtu for natural gas firing and 0.024 lb/MMBtu for No. 2 fuel oil firing presented in the application as assuring compliance with this requirement.]

 # 002 [25 Pa. Code §123.22]

Combustion units

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2, from any combustion unit, in the Southeast Air Basin, in excess of 1 pounds per million Btu of heat input, pursuant to 25 Pa. Code §123.22(e)(1).

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This boiler shall not exceed the following emission limits:

(a) when firing natural gas

Nitrogen oxides (NOx): 30 ppmdv at 3% oxygen
Carbon monoxide (CO): 50 ppmdv at 3% oxygen

(b) when firing No. 2 fuel oil

Nitrogen oxides (NOx): 90 ppmdv at 3% oxygen
Carbon monoxide (CO): 50 ppmdv at 3% oxygen

Note: The Department reserves the right to modify emissions limits based on the results of emissions testing or other Department findings.

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.43c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Standard for particulate matter.

[Additional authority for this condition is from 40 CFR Section 60.10.]

(a) In accordance with 40 CFR Section 60.43c(c),

SECTION D. Source Level Requirements

No owner or operator of this boiler shall cause to be discharged into the atmosphere any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. This opacity standard applies at all times, except during periods of startup, shutdown or malfunction.

(b) In case of a conflict in opacity limitations between 40 CFR Section 60.43c(c) and 25 Pa. Code Section 123.41 (Condition Section C #005), the more stringent requirement applies.

Fuel Restriction(s).

 # 005 [25 Pa. Code §123.22]

Combustion units

(a) A person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 0.05% by weight sulfur content, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

(b) Commercial fuel oil that was stored in the Commonwealth by the ultimate consumer

(i) prior to July 1, 2016 which met the applicable maximum allowable sulfur content for commercial fuel oil through June 30, 2016 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after July 1, 2016.

(ii) prior to September 1, 2020 which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after August 31, 2020.

(c) On and after September 1, 2020, a person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 15 ppm or 0.0015% by weight for No. 2; by weight sulfur content, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

[Compliance with this streamlined permit condition assures compliance with 40 C.F.R. Section 60.42c(d).]

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 40 CFR Sections 63.7499 and 63.7575.]

(a) This boiler shall be fired only with natural gas, purchased through a utility, or with commercial No.2 fuel oil, meeting the specifications in this Permit.

(b) In order to limit the applicable requirements of 40 CFR Part 63 Subpart DDDDD to those in this Permit,

(1) the permittee shall operate this boiler as a "unit designed to burn gas 1 subcategory," as defined in 40 CFR Section 63.7575 as follows:

"any boiler 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 that burn liquid fuel during periods of gas curtailment or gas supply interruptions of any duration are also included in this definition."

with period of gas curtailment or supply interruption defined as:

"a period of time during which the supply of gaseous fuel to an affected boiler is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under the control of a facility for the purposes of this definition. An increase in the cost or unit price of natural gas due to normal market fluctuations not during periods of supplier delivery

SECTION D. Source Level Requirements

restriction does not constitute a period of natural gas curtailment or supply interruption. On-site gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the control of the facility."

(2) the permittee shall employ a continuous oxygen trim system on this boiler that maintains an optimum air to fuel ratio.

II. TESTING REQUIREMENTS.

 # 007 [25 Pa. Code §123.22]

Combustion units

Pursuant to 25 Pa. Code Section 123.22(f),

(a) The actual sulfur content of commercial fuel oil shall be determined:

(1) in accordance with the sample collection, test methods and procedures specified under 25 Pa. Code § 139.16 (relating to sulfur in fuel oil); or

(2) by other methods developed or approved by the Department or the Administrator of the EPA, or both.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall perform a stack test using the Department-approved procedures, to show compliance with the emission limits set for the source. The Source testing shall be performed within 180 days after startup of the boiler. Source testing shall be performed for the following pollutants while firing natural gas: NOx and CO in 1) ppmdv at 3% oxygen 2) lb/hr and 3) lb/MMBtu.Performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

Note: Stack testing of Boilers ID 060 was completed on May 9, 2019. Review of the test report by the Department's Source Test Group is pending. The permittee may be required to perform additional testing or provide additional data in order to fulfill the test requirements, depending on the results of the review.

(b) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(c) The stack test shall, at a minimum, test for nitrogen oxides (NOx) and carbon monoxide (CO). Tests shall be conducted in accordance with the provisions of EPA Methods 7E and 10 or other Department approved methodology and 25 Pa. Code Chapter 139.

(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager shall be informed of the date and time of the test.

(e) Within sixty (60) days after the source test(s) (unless a more stringent regulatory requirement applies), one paper copy plus one electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

(g) Once the review of the stack test results is completed by the Department's Source Test Group, the Department will evaluate the method of compliance demonstration for this source for NOx and CO for the 5-year permit term, to determine whether additional stack testing, or other methods should be used. The Department reserves the right to require stack testing for additional pollutants other than NOx and CO.

SECTION D. Source Level Requirements

Note: Boeing performed the stack test on May 9, 2019, with the report submitted in June 2019.

 # 009 [25 Pa. Code §139.53]

Filing monitoring reports.

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

(a) a statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings;
(b) permit number(s) and condition(s) which are the basis for the evaluation;
(c) summary of results with respect to each applicable permit condition;
(d) statement of compliance or non-compliance with each applicable permit condition

 # 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.47c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Emission monitoring for particulate matter.

(a) Within 180 days after the initial start-up of this boiler, the permittee shall conduct a performance test using Method 9 of Appendix A-4 of 40 CFR Part 60 and the procedures in 40 CFR Part 60.11 to demonstrate compliance with the applicable opacity limit in 40 CFR Section 60.43c (Condition #004 of this section).

Note: Boeing completed this initial Method 9 performance test on May 8, 2019.

(b) The observation period for Method 9 may be reduced from 3 hours to 60 minutes if all 6-minutes averages are less than 10 percent and all individual 15-second observations are less than or equal to 20 percent during the initial 60 minutes of observation.

III. MONITORING REQUIREMENTS.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall install and maintain a natural gas meter and a fuel oil meter at the inlet to this boiler in order to determine and record the usage of each fuel.

 # 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.47c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Emission monitoring for particulate matter.

(a) Except as provided in sections (b), (c) and (d) of this condition, the owner/operator shall conduct subsequent Method 9 opacity tests for this boiler, when firing No. 2 fuel oil, according to the applicable schedule from paragraphs (1) through (4) of this section. The applicable schedule is determined from the results of the most recent Method 9 opacity test conducted on this boiler when firing No. 2 fuel oil:

(1) If no visible emissions are observed, a subsequent Method 9 test must be completed within 12 calendar months from the date that the most recent performance test was conducted or within 45 days of the next day that No. 2 fuel oil is combusted, whichever is later;

(2) If visible emissions are observed but the maximum 6-minute average opacity is less than or equal to 5 percent, a subsequent Method 9 performance test must be completed within 6 calendar months from the date that the most recent performance test was conducted or within 45 days of the next day that No. 2 fuel oil is combusted, whichever is later;

(3) If the maximum 6-minute average opacity is greater than 5 percent but less than or equal to 10 percent, a subsequent Method 9 performance test must be completed within 3 calendar months from the date that the most recent performance test was conducted or within 45 days of the next day that No. 2 fuel oil is combusted, whichever is later; or

(4) If the maximum 6-minute average opacity is greater than 10 percent, a subsequent Method 9 performance test must be completed with 45 calendar days from the date that the most recent performance test was conducted.

(b) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 performance test, the owner/operator may elect to perform subsequent opacity monitoring using Method 22 and according to the procedures of 40 CFR Sections 60.47c(a)(2)(i) and (ii), as indicated in paragraphs (1) and (2) of this condition:

(1) Conduct 10-minute observations (during normal operation) each operating day the affected facility fires No. 2 fuel oil using Method 22 of Appendix A-7 of 40 CFR Part 60 and demonstrate that the sum of the occurrences of any visible emissions is not in excess of 5 percent of the observation period (i.e. 30 seconds per 10 minute period). If the sum of the occurrences of any visible emissions is greater than 30 seconds during the initial 10 minute observation, immediately conduct a 30 minute observation. If the sum of the occurrences of visible emissions is greater than 5 percent of the observation period (i.e. 90 seconds per 30 minute period), the owner or operator shall either document and adjust the operation of the facility and demonstrate within 24 hours that the sum of the occurrences of visible emissions is equal to or less than 5 percent during a 30 minute observation (i.e., 90 seconds) or conduct a new Method 9 performance test using the procedures in paragraph (a) of this condition within 45 calendar days according to the requirements in 40 CFR Section 60.45c(a)(8).

(2) If no visible emissions are observed for 10 operating days during which No. 2 fuel is used, observations can be reduced to once every 7 operating days during which No. 2 fuel is used. If any visible emissions are observed, daily observations shall be resumed.

(c) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 performance test, the owner or operator may, as an alternative to performing subsequent Method 9 performance tests, elect to perform subsequent monitoring using a digital opacity compliance system according to a site-specific monitoring plan approved by the Administrator. The observations shall be similar, but not necessarily identical, to the requirements in 40 CFR Section 60.47c (a)(2) [part (b) of this condition].

For reference purposes in preparing the monitoring plan, see OAQPS
“PRE-8, Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems” or “ALT-082: Approval of Method 9 Alternative.” These documents are available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Policy Group (D243-02), Research Triangle Park, NC 27711. These documents are also available on the Technology Transfer Network (TTN) (now known as Technical Air Pollution Resources) EPA website under Emission Measurement Center (EMC), EMC Other Test Methods, Preliminary Methods and Approved Alternatives, respectively. See https://www.epa.gov/emc/emc-other-test-methods.
.
(d) Pursuant to 40 CFR Section 60.47c(f)(3), the permittee has the option of proposing a written site-specific monitoring plan to the permitting authority. This monitoring plan must include procedures and criteria for establishing and monitoring specific parameters for the affected facility indicative of compliance with the opacity standard. The site-specific monitoring plan will take effect upon approval by the permitting authority.

(e) All references to Method 9 in this Operating Permit refer to Method 9 of Appendix A-4 of 40 CFR Part 60.

(f) In accordance with 40 CFR Section 60.47c(a), the observation period for Method 9 performance tests may be reduced from 3 hours to 60 minutes if all 6-minutes averages are less than 10 percent and all individual 15-second observations are less than or equal to 20 percent during the initial 60 minutes of observation.

IV. RECORDKEEPING REQUIREMENTS.

 # 013 [25 Pa. Code §123.22]

Combustion units

Pursuant to 25 Pa. Code Section 123.22(g)(5),

The ultimate consumer of commercial No. 2 fuel oil shall maintain in electronic or paper format the record, obtained from

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the supplier, containing the following information:

(i) The date of the sale or transfer;

(ii) The name and address of the transferor;

(iii) The name and address of the transferee;

(iv) The volume of commercial fuel oil being sold or transferred;

(v) The identification of the sulfur content of the shipment of commercial fuel oil, determined using the sampling and testing methods specified in 25 Pa. Code Section 123.22(f)(1), expressed as the following for No.2 fuel oil:

(a) Prior to September 1, 2020 -''The sulfur content of this shipment is 500 ppm or below.''
(b) On and after September 1, 2020 -''The sulfur content of this shipment is 15 ppm or below.''

(vi) The location of the commercial fuel oil at the time of transfer.

 # 014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The owner/operator shall calculate and keep records of the emissions of the following pollutants from this boiler on a monthly basis: NOx and CO.

(b) Emissions factors from the most recent stack test or, if unavailable, the emission factors from RFD 7172 shall be used (NOx: 0.0365 b/MMBtu and CO: 0.0371 lb/MMBtu when firing natural gas and NOx: 0.117 lb/MMBtu and CO: 0.0396 lb/MMBtu when firing No.2 fuel oil).

(c) The permittee shall keep a record of the emission factors presented in RFD 7172 at the minimum for the following pollutants: NOx, filterable PM, total PM, condensable PM, VOC, CO, sulfuric acid mist, SOx, SO2 and HAPs.

(d) The owner/operator shall include this source in applicable recordkeeping and reporting requirements performed for the facility under Mandatory Greenhouse Gas Reporting, 40 CFR Part 98.

 # 015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall keep records of all notifications, performance tests, fuel analyses or other compliance demonstrations conducted for this source.

 # 016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) For each tune-up pursuant to the requirements of Condition #029(a), the permittee shall keep a record of the information as required for the once in 5-year tune-up [Condition #020].

(b) In addition to the records above, the permittee shall keep a record of the fuel combusted during the tune-up and the NOx concentration, as read by a portable analyzer, before and after any adjustments made.

 # 017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall keep records of the maintenance performed on this boiler.

 # 018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

In accordance with 40 CFR Section 60.48c(f)(1), the owner/operator shall keep a record of the fuel supplier certification for No. 2 fuel oil with the following information:
(a) the name of the oil supplier;
(b) a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40

SECTION D. Source Level Requirements

CFR Section 60.41c and;
(c) the sulfur content or maximum sulfur content of the oil.

 # 019 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

(a) In accordance with 40 CFR Section 60.48c(c)(1), the owner/operator shall keep records of the following information for each performance test conducted according to Method 9:

(1) dates and time intervals of all opacity observation periods;

(2) name, affiliation, and copy of current visible emission reading certification for each visible emission observer participating in the performance test; and

(3) copies of all visible emission observer opacity field data sheets.

(b) For each performance test conducted according to Method 22, the owner/operator shall keep records of the following information as required by 40 CFR 60.48c(c)(2):

(1) Dates and time intervals of all visible emissions observation periods;

(2) Name and affiliation for each visible emission observer participating in the performance test;

(3) Copies of all visible emission observer opacity field data sheets; and

(4) Documentation of any adjustments made and the time the adjustments were completed to the affected facility operation by the owner or operator to demonstrate compliance with the applicable monitoring requirements.

(c) For each digital opacity compliance system or other site-specific monitoring plan, the owner or operator shall maintain records and submit reports according to the requirements specified in the site-specific monitoring plan approved by the Administrator.

 # 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

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

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

(1) Pursuant to 40 CFR Section 63.7540(10)(vi), the permittee shall maintain on site and submit, if requested by the Administrator, a report containing the following information;

(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, required by 40 CFR Section 63.7540(a)(10) and (12) (Condition #029);

(b) a description of any corrective actions taken as a part of the tune-up;

(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.

 # 021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

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

What records must I keep?

The permittee shall keep the following records, in accordance with with 40 CFR Section 63.7555(a), and (h):

SECTION D. Source Level Requirements

(a) A copy of each notification and report submitted to comply with 40 CFR Part 63 Subpart DDDDD, including all documentation;

(b) When an alternative fuel other than a gas 1 fuel is used, a record of the total hours per calendar year that the alternative fuel is burned and the total hours per calendar year that the boiler operated during periods of gas curtailment or gas supply emergencies;

V. REPORTING REQUIREMENTS.

 # 022 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

(a) In accordance with 40 CFR Sections 60.48c(d), 60.48c(e) and (e)(11) and (j), the owner/operator of boilers subject to fuel sulfur limitations under Part 60 Subpart Dc shall keep records and submit reports to the Administrator of fuel oil usage and certification.

(1) The reporting period is each 6-month period;

(2) The report shall contain:
(i) the calendar dates covered in the reporting period;
(ii) each 30-day average fuel sulfur content (weight percent); reasons for any noncompliance with the limits and a description of the corrective actions taken;
(iii) fuel supplier certifications for fuel combusted during the reporting period;
(iv) a certified statement signed by the owner/operator that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

(3) All reports after the initial report shall be postmarked by the 30th day following the end of the reporting period.

(b) In accordance with 40 CFR Section 60.48c(c), the owner/operator shall submit reports to the Administrator of any opacity exceedances of Condition #004 of this section.

 # 023 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

[Additional authority for this condition is derived from 25 Pa. Code Section 127.441]

(a) In accordance with 40 CFR Section 60.48c(b), the owner/operator shall submit to the Administrator the opacity performance test data from the initial and any subsequent performance test.

(b) In accordance with 40 CFR Section 60.13(c)(2), this report shall be submitted within 60 days of performance of the test.

(c) The opacity test data submitted shall include the records kept in accordance with 40 CFR Section 60.48c(c)(1) (Condition #019).

 # 024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

Pursuant to 40 CFR Section 63.7545(c),

As specified in 40 CFR Section 63.9(b)(4), the owner/operator of a new source must submit an Initial Notification not later than 15 days after the actual date of startup of the affected source.

The Initial Notification shall include the following information:

(a) the name and address of the owner or operator;

SECTION D. Source Level Requirements

(b) the address (i.e. physical location) of the affected source;
(c) an identification of the relevant standard for the notice;
(d) a brief description of the nature, size, design and method of operation of the source and an identification of the types of emission points within the affected source subject to the standard and the types of hazardous pollutants emitted; and
(e) a statment of whether the facility is major or an area source.

Note: Boeing submitted the Initial Notification on January 9, 2019.

 # 025 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

[Additional authority for this permit condition is from 40 CFR Sections 63.9(h).]

A notification of compliance status shall be sent to the Administrator before the 60th day following completion of the initial tune-up, required under 40 CFR Part 63 Subpart DDDDD and contain the following information in addition to the information required by 40 CFR Section 63.9(h)(2),

(a) the following certification of compliance, signed by a responsible official,

"This facility complies with the required initial tune-up according to the procedures in 40 CFR Section 63.7540 (a)(10)(i) through (vi)."

(b) If there was a deviation from the requirements, a description of the deviation, its duration and the corrective action taken.

 # 026 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

Pursuant to 40 CFR Section 63.7545(f),

The owner/operator who fires gas 1 fuels subject to 40 CFR Part 63 Subpart DDDDD and intends to use an alternate fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in 40 CFR Section 63.7575, must submit a notification of alternative fuel use to the Administrator within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in 40 CFR Section 63.7575. The notification must include the following information:

(a) company name and address;

(b) Identification of the affected unit(s).

(c) Reason natural gas or equivalent fuel is unable to be used, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.

(d) Type of alternative fuel intended to be to used.

(e) Dates when the alternative fuel use is expected to begin and end.

 # 027 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

[Additional authority for this permit condition is from 25 Pa. Code Section 127.441.]

(a) In accordance with 40 CFR Section 63.7550(b), the owner/operator of a new boiler subject only to a five-year tune-up, shall submit 5-year compliance reports as follows:

SECTION D. Source Level Requirements

(1) The first compliance report must cover the period starting with the date of startup of the boiler and ending on December 31 within 5 years after the startup of the boiler. The first 5-year compliance report must be postmarked or submitted no later than January 31. Subsequent compliance reports must cover the 5-year periods from January 1 to December 31.

(2) Facilities subject to Title V permitting requirements may submit the first and subsequent reports according to the dates the permitting authority has established for semi-annual reports instead of following the schedule in paragraph (1) of this condition.

(b) In accordance with 40 CFR Section 63.7550(c), the compliance report for a facility subject to the requirements for a tuneup
shall contain the following information:

(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 date of the most recent tune-up and the date of the most recent burner inspection if it was not done on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown;

(v) 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.

(c) In accordance with 40 CFR Section 63.7550 (h)(3), the compliance report shall be submitted electronically to the EPA via the CEDRI (CEDRI can be accessed through the EPA's CDX.).The appropriate electronic report in CEDRI for this subpart shall be used. Instead of using the electronic report in CEDRI for this subpart, the permittee 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.hrml), once the XML schema is available. If the reporting form specific to Subpart DDDDD is not available in CEDRI at the time that the report is due the report shall be mailed to the Administrator. The permittee must begin submitting reports via CEDRI no later than 90 days after the form becomes available in CEDRI.

VI. WORK PRACTICE REQUIREMENTS.

 # 028 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

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

[Additional authority for this permit condition is from 40 CFR Section 63.7500(a)(3).]

The permittee shall operate and maintain this boiler, including any associated air pollution control and monitoring equipment in a manner consistent with safety, good air pollution control practices for minimizing emissions and manufacturer specifications.

Pursuant to 40 CFR Section, 63.7500(a)(3), 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.

 # 029 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

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

[Additional authority for this permit condition is from 40 CFR Sections 63.7515(d), 63.7540 (a)(12) and (13).]

SECTION D. Source Level Requirements

(a) Pursuant to 40 CFR Section 63.7500 (a) (1) and 40 CFR Part 63 Subpart DDDDD Table 3 No. 1,
The owner/operator of a boiler with a continuous oxygen trim system that maintains an optimum air to fuel ratio shall conduct a tune-up every 5 years, according to the requirements of 40 CFR Section 63.7540 (10)(a)(i) through (v) as follows. The tune-up must be conducted while burning the fuel that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up.

(1) Inspect, clean or replace fuel burning equipment, including the burners and components, as necessary, for proper operation as specified by the manufacturer. The burner inspection may be performed any time prior to the tune-up or may be delayed until the next scheduled unit shutdown.

(2) Inspect the flame pattern and adjust the burner, as necessary, to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(3) Inspect and adjust, as necessary, the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly. The inspection may be delayed until the next scheduled unit shutdown.

(4) 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;

(5) 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.

(b) Pursuant to 40 CFR Section 63.7515(d),

(1) Each 5-year tune-up must be conducted no more than 61 months after the previous tune-up and conform to the once in a 5-year calendar period requirement.

(2) The first 5-year tune-up shall be conducted no later than 61 months after the initial start-up of the boiler.

VII. ADDITIONAL REQUIREMENTS.

 # 030 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) This boiler shall be a Superior Boiler Works 1200-hp Mohican Model MS7-X-5000-S200-WBCF-GA2 scotch boiler vessel with a Webster Combuston Technology Model JBEX9C-750-P-LMV52-S-M VGD-MA-NFPA-85 dual fuel boiler. It shall be of 49 MMBtu/hr capacity.

(b) Low NOx burners (LNB), flue gas recirculation (FGR) ,and oxygen trim shall be an integral part of the boiler design. It shall employ an economizer. No modification to the vendor design shall be carried out by the owner/operator without prior written Department approval.

 # 031 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This boiler is subject to 40 CFR Part 63 Subpart DDDDD and shall comply with all applicable requirements unless superseded by more stringent regulations.

 # 032 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]

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

When do I have to comply with this subpart?

Pursuant to 40 CFR Section 63.7495(a), the permittee shall comply with all applicable requirements of 40 CFR Part 63, Subpart DDDDD upon startup of the new boiler under the Subpart.

 # 033 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

SECTION D. Source Level Requirements

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

Pursuant to 40 CFR Sections 63.7500 (f) and 63.7505(a), the boiler must be operated in compliance with all applicable workpractice and operating limit requirements of 40 CFR Part 63 Subpart DDDDD at all times, except during startup and shutdown.

Note:40 CFR Section 63.7500(f) exempts affected sources from the applicable workpractice and operating limit requirements except for Items 5 and 6 of Table 3 to 40 CFR Part 60 Subpart DDDDD. As units designed to burn Gas 1 fuels, there are no requirements for the boilers in Items 5 and 6 of Table 3.

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

SECTION D. Source Level Requirements

Source ID: 061 Source Name: NATURAL GAS BOILERS <10 MMBTU/HR

Source Capacity/Throughput:

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.11]

Combustion units

Pursuant to 25 Pa. Code Section 123.11(a)(1),

The permittee may not permit the emission into the outdoor atmosphere of particulate matter from either boiler in excess of the rate of 0.4 pound per million Btu of heat input.

 # 002 [25 Pa. Code §123.22]

Combustion units

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2, from any combustion unit, in the Southeast Air Basin, in excess of 1 pounds per million Btu of heat input, pursuant to 25 Pa. Code §123.22(e)(1).

Fuel Restriction(s).

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is also derived from 25 Pa. Code § 127.444.]

The permittee shall use only natural gas as fuel for this source.

Throughput Restriction(s).

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The total annual combined heat input to both boilers, shall not exceed 61,320 MMBtu on a 12- month rolling basis.

(b) The total annual combined natural gas usage in both boilers, shall not exceed 61,320,000 standard cubic feet on a 12-month rolling basis.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The owner/operator shall monitor the fuel usage and the operating hours for the source on a monthly basis and on a 12-month rolling basis.

SECTION D. Source Level Requirements

(b) Natural gas shall be monitored in standard cubic feet.

(c) The owner/operator shall calculate the total heat input to both boilers (Source ID 061) in MMBtu on a monthly and on a 12-month rolling basis.

IV. RECORDKEEPING REQUIREMENTS.

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

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

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

Pursuant to 40 CFR Section 63.7540(10), the permittee shall maintain on site and submit, if requested by the Administrator, a report containing the following information:

(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, required by 40 CFR Section 63.7540 (10) and (12) (Condition #013);

(b) a description of any corrective actions taken as a part of the tune-up;

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

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

What records must I keep?

The permittee shall keep the following records, in accordance with 40 CFR Section 63.7555(a) and (h):

(a) A copy of each notification and report submitted to comply with 40 CFR Part 63 Subpart DDDDD, including all documentation.

V. REPORTING REQUIREMENTS.

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

[Additional authority for this permit condition is from 40 CFR Section 63.9 and 25 Pa. Code Section 127.441].

In accordance with 40 CFR Sections 63.7545(c) and 63.9(b)(4),

the owner/operator shall submit a notification to the Administrator of the date of the actual startup of the boiler, delivered or postmarked within 15 days after the startup.

[Boeing submitted the startup notification for Source ID 061 on October 19, 2017].

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

[Additional authority for this permit condition is from 40 CFR Sections 63.9(h)].

SECTION D. Source Level Requirements

A notification of compliance status shall be sent to the Administrator before the 60th day following completion of the initial tune-up, required under 40 CFR Part 63 Subpart DDDDD and contain the following information in addition to the information required by 40 CFR Section 63.9(h)(2),

(a) the following certification of compliance, signed by a responsible official,
"This facility complies with the required initial tune-up according to the procedures in 40 CFR Section 63.7540 (a)(10)(i) through (vi)."

(b) If there was a deviation from the requirements, a description of the deviation, its duration and the corrective action taken.

[Boeing submitted the notification of compliance status for source ID 061 on March 23, 2018].

 # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

[Additional authority for this permit condition is from 25 Pa. Code Section 127.441.]

Unless the EPA Administrator has approved a different schedule for submission of reports under 40 CFR Section 63.10(a), (a) the owner/operator of a boiler subject only to a five-year tune-up, shall submit 5-year compliance reports as follows:

(a) The first compliance report must cover the 5-year period beginning on the date of startup of the boiler and ending December 31 after the 5-year period and be postmarked or submitted no later than January 31 of the following year. Subsequent reports shall cover the applicable 5-year periods from January 1 to December 31 and must be postmarked or submitted no later than January 31 of the year following the end of the reporting period.

(b) In accordance with 40 CFR Section 63.7550(c), the compliance report for a facility subject to the requirements for a tuneup shall contain the following information:

(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 date of the most recent tune-up and the date of the most recent burner inspection if it was not done on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown;

(v) 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.

(c) In accordance with 40 CFR Section 63.7550 (h)(3), the compliance report shall be submitted electronically using CEDRI that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to Subpart DDDDD is not available in CEDRI at the time that the report is due, the report shall be mailed to the Administrator.

VI. WORK PRACTICE REQUIREMENTS.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source shall be operated and maintained in accordance with manufacturer's specifications.

SECTION D. Source Level Requirements

 # 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

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

[Additional authority for this permit condition is from 40 CFR Section 63.7500(a)(3).]

The permittee shall operate and maintain this boiler, including any associated air pollution control and monitoring equipment in a manner consistent with safety, good air pollution control practices for minimizing emissions and manufacturer specifications.

Pursuant to 40 CFR Section, 63.7500(a)(3), 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.

 # 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

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

[Additional authority for this permit condition is from 40 CFR Sections 63.7515(d), and 63.7540 (12) and (13).]

(a) Pursuant to 40 CFR Section 63.7500 (a) (1) and 40 CFR Part 63 Subpart DDDDD Table 3 No. 1,
The owner/operator of a boiler with a heat input capacity of less than or equal to 5 million Btu per hour shall conduct a tune-up every 5 years, according to the requirements of 40 CFR Section 63.7540 as follows:

(1) As applicable, Inspect the burner, and clean or replace any components of the burner as necessary (the burner inspection may be delayed until the next scheduled unit shutdown, but each burner must be inspected at least once every 72 months).

(2) 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;

(3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the inspection may be delayed until the next scheduled unit shutdown.

(4) 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;

(5) 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.

(b) Each 5-year tune-up must be conducted no more than 61 months after the previous tune-up and conform to the once in a 5-year calendar period requirement.

 # 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]

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

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

Pursuant to 40 CFR Section 63.7515(d),

the first five-year tune-up specified by 40 CFR Section 63.7540 (Condition #013), must be no later than 61 months after the

SECTION D. Source Level Requirements

initial startup of the new boiler.

VII. ADDITIONAL REQUIREMENTS.

 # 015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of two Bryan Boilers Model RV350-S-150-FDG-LX, each firing natural gas with heat input capacity of 3.5 MMBtu/hr.

 # 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

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

Pursuant to 40 CFR Sections 63.7500 (f) and 63.7505(a), the boilers must be operated in compliance with all applicable workpractice and operating limit requirements of 40 CFR Part 63 Subpart DDDDD at all times, except during startup and shutdown.

Note: 40 CFR Section 63.7500(f) exempts affected sources from the applicable workpractice and operating limit requirements except for Items 5 and 6 of Table 3 to 40 CFR Part 60 Subpart DDDDD. As units designed to burn Gas 1 fuels, there are no requirements for the boilers in Items 5 and 6 of Table 3.

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

SECTION D. Source Level Requirements

Source ID: 041 Source Name: EMERGENCY GENERATOR (BLDG 3-10)

Source Capacity/Throughput: 4,700.000 CF/HR NATURAL GAS 400 KW

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 this emergency generator at any time, in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

 # 002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this emergency generator 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.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91 - 129.95 and 129.111 - 129.115]
The total Volatile Organic Compounds (VOCs) from the sources listed below shall not exceed 8.0 tons per year on a twelve (12) month rolling basis.

Source 042 .....(4) Turbine generators formerly 040
Source 041 .....Emergency Generator (Bldg 3-10)
Source 050 .....NG. Emergency Generators
Source 051 .....CI Emergency Generators & Diesel Fire Pump (only Bldg 3-52,3-19)

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512]

The operation of this emergency generator shall not exceed the emission limits below on a twelve (12) month rolling basis.

Particulate matter .....0.30 lbs/h .....0.024 TPY

Nitrogen Oxide .....22.89 lbs/h .....1.83 TPY

Carbon Monoxide ..... 4.12 lbs/h .....0.33 TPY

Volatile Organic Compounds .2.50 lbs/h .....0.2 TPY

Operation Hours Restriction(s).

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512]

SECTION D. Source Level Requirements

The operating hours of the emergency generator shall not exceed 160 hours per calender year.

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]

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

What definitions apply to this subpart?

[Additional authority for this permit condition is from 40 CFR Sections 63.6640(f) and 63.6590(b)(3)(iii) and 25 Pa. Code Section 127.441.]

the engine shall be operated as an "emergency stationary RICE" as follows:

(a) The engine is operated to provide electrical power or mechanical work during an emergency situation. There is no restriction on hours of operation during an emergency situation, so long as the hourly restriction in Condition #005 is met.

(b) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 63.6640(f).

(c) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 63.6640(f), the engine will not be considered an emergency engine under 40 C.F.R.Part Subpart ZZZZ and must meet all applicable requirements for nonemergency engines.

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.

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91 - 129.95 and 129.111 - 129.115]

The permittee shall calculate the VOC emissions monthly as well as on a twelve (12) month rolling basis.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512 and 129.111 - 129.115.]

The permittee shall monitor the hours of operation daily, when in operation, as well as monthly and on a 12-month rolling basis.

IV. RECORDKEEPING REQUIREMENTS.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512, 25 Pa. Code Sections 129.91 - 129.95 and 129.111 - 129.115.]

The permittee shall keep records of:

SECTION D. Source Level Requirements

(a) the hours of operation daily, when in operation, as well as monthly and on a 12-month rolling basis.

(b) date of inspections, adjustments, breakdowns and certification of the ignition timing of the engine

(c) VOC emissions and calculations on a monthly and on a 12-month rolling basis.

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.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.512 and 129.111 - 129.115.]

The permittee shall

(a) install and maintain on unit an elapsed time meter to indicate cumulative hours operated

(b) inspect, adjust and certify the ignition timing of the engines, at a minimum, once per year of operation. The inspections, adjustments and certifications shall be performed by a qualified mechanic and according to the engine manufacturer's procedures.

(c) install, maintain and operate the source in accordance with manufacturer's specifications and with good operating practices, pursuant to 25 Pa. Code Section 129.97 (c) (the presumptive RACT).

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 042 Source Name: (4) TURBINE GENERATORS FORMERLY 040 (BLDG 3-52)

Source Capacity/Throughput: 204.000 MMBTU/HR
1,672.000 Gal/HR JET A

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 turbine at any time, in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

 # 002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from each turbine 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.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91 - 129.95 and 129.111 - 129.115]

The total Volatile Organic Compounds (VOCs) from the sources listed below shall not exceed 8.0 tons per year on a twelve (12) month rolling basis.

Source 042 .....(4) Turbine generators formerly 040
Source 041 .....Emergency Generator (Bldg 3-10)
Source 050 .....NG. Emergency Generators
Source 051 .....CI Emergency Generators & Diesel Fire Pump (only Bldg 3-52,3-19)

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.512 and 129.111 - 129.115.]

(a) The Nitrogen Oxides (NOx) concentration in the exhaust gas for each of the gas turbine generators shall not exceed 50 parts per million by volume corrected to 15 percent oxygen on a dry basis.

The NOx emission limits apply at all times except during periods of start-up and shut down. However, the duration of start-up or shut down shall not exceed one hour per occurrence.

(b) Pursuant to 25 Pa. Code Section 129.112 (g)(2)(v),
the owner and operator of this source may not allow or permit NOx or VOCs to be emitted from each turbine in excess of the following presumptive RACT limitation:

(1) 96 ppmvd NOx @ 15% oxygen;
(2) 9 ppmvd VOC (as propane) @ 15% oxygen

The limitations in part (b) of this condition apply at all times.

SECTION D. Source Level Requirements

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.332]
Subpart GG - Standards of Performance for Stationary Gas Turbines
Standard for nitrogen oxides.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512].

No person subject to the provisions of 40 CFR part 60 subpart GG shall cause to be discharged into the atmosphere from any stationary gas turbine, any gases which contain nitrogen oxides in excess of 163 ppmv at 15% Oxygen, pursuant to 40 CFR Sec. 60.332(a)(2).

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.333]
Subpart GG - Standards of Performance for Stationary Gas Turbines
Standard for sulfur dioxide.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512].

No person subject to the provisions of 40 CFR part 60 subpart GG shall cause to be discharged into the atmosphere from any stationary gas turbine any gases which contain sulfur dioxide in excess of 0.015 percent by volume at 15 percent oxygen and on a dry basis.

Fuel Restriction(s).

 # 007 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code 127.512].

(a) The gas turbine generators will be fueled by Jet A fuel (viscocity less than 5.82 cSt) to which there has been no reclaimed or waste oil or waste materials added.

As an alternate to Jet Fuel A, the permittee may use other middle distillate fuels meeting the viscosity, sulfur and nitrogen content requirements in this Condition.

(b) The sulfur content of the fuel shall be less than 0.3 percent by weight, unless restricted by regulation to a lower sulfur content.

(c) If a fuel other than Jet A is used in the turbines, the average annual nitrogen content shall not exceed the maximum nitrogen content of Jet Fuel A during the past five years of usage.

[Compliance with paragraph (b) of this condition ensures compliance with 40 CFR § 60.333(b)].

Operation Hours Restriction(s).

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

[Additional authority for this permit condition is also derived from 25 Pa. Code 127.512].

The hours of operation of each turbine shall be limited to 850 hours on a consecutive twelve (12) month period .

II. TESTING REQUIREMENTS.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code 127.512].

The permittee shall perform semi-annual NOx tests upon each gas turbine generator operating more than 219 hours during the six-month intervals beginning January through June and July through December. The company shall perform such tests using a portable exhaust gas analyzer that has been approved by the Department. The Department reserves the right to increase or decrease the frequency of such tests, and the substitution of the reference method of testing for the portable

SECTION D. Source Level Requirements

analyzer testing, based on the test results

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 25 Pa. Code Sections 129.111 - 129.115.]

(a) The permittee shall perform a stack test using the Department-approved procedures, one time in each 5-year calendar period. Such testing shall be conducted at least 12 months prior to the expiration of this permit.

(b) The stack test shall, at a minimum, test for Nitrogen Oxides and Volatile Organic Compounds, to show compliance with the Nitrogen Oxide (NOx) and Volatile Organic Compounds (VOC) emission limits in Condition #003 of this section. The stack test shall be performed while the aforementioned source is operating at the maximum rated capacity.Testing shall be conducted in accordance with 25 Pa. Code Chapter 139.

Testing shall be conducted on one representative turbine. The turbine tested shall be one not previously tested for 3 1-hour periods, or one selected by the Department. The Department reserves the right to require testing on additional turbines.

(c) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(e) Within sixty (60) days after the source test(s) (unless a more stringent regulatory requirement applies), one paper copy plus one electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

 # 011 [25 Pa. Code §139.53]

Filing monitoring reports.

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

(a) a statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings;
(b) permit number(s) and condition(s) which are the basis for the evaluation;
(c) summary of results with respect to each applicable permit condition;
(d) statement of compliance or non-compliance with each applicable permit condition.

 # 012 [25 Pa. Code §139.53]

Filing monitoring reports.

Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3) all testing submittals, besides notifications, shall be accomplished through PSIMS* Online available through
http://www.depgreenport.state.pa.us/ecomm/Login.jsp

when it becomes available. If internet submittal cannot be accomplished or is not available, two copies of the submittal shall be mailed to the Department.

SECTION D. Source Level Requirements

 # 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.335]

Subpart GG - Standards of Performance for Stationary Gas Turbines

Test methods and procedures.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512].

The permittee shall conduct the applicable test:
(a) To compute the nitrogen oxides emissions, the owner or operator shall use analytical methods and procedures that are accurate to within 5 percent and are approved by the Administrator to determine the nitrogen content of the fuel being fired.

(b) In conducting the performance tests required in 60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided for in 60.8(b). Acceptable alternative methods and procedures are given in paragraph (f) of this section.

(c) The owner or operator shall determine compliance with the nitrogen oxides and sulfur dioxide standards in 60.332 and 60.333(a) as follows:

(1) The nitrogen oxides emission rate (NOx) shall be computed for each run using the following equation:

NOx=(NOxo) (Pr/Po)^0.5*e^[19(Ho-0.00633)]*(288K/Ta)^1.53

where:
NOx=emission rate of NOx at 15 percent O2 and ISO standard ambient conditions, volume percent.

NOxo=observed NOx concentration, ppm by volume.

Pr=reference combustor inlet absolute pressure at 101.3 kilopascals ambient pressure, mm Hg.

Po=observed combustor inlet absolute pressure at test, mm Hg.

Ho=observed humidity of ambient air, g H2O/g air.

e=transcendental constant, 2.718.

Ta=ambient temperature, K.

(2) The monitoring device of 40 CFR Sec. 60.334(a) shall be used to determine the fuel consumption and the water-to-fuel ratio necessary to comply with 40 CFR Sec. 60.332 at 30, 50, 75, and 100 percent of peak load or at four points in the normal operating range of the gas turbine, including the minimum point in the range and peak load. All loads shall be corrected to ISO conditions using the appropriate equations supplied by the manufacturer.

(3) Method 20 shall be used to determine the nitrogen oxides, sulfur dioxide, and oxygen concentrations. The span values shall be 300 ppm of nitrogen oxide and 21 percent oxygen. The NOx emissions shall be determined at each of the load conditions specified in paragraph (c)(2) of this condition.

(d) The owner or operator shall determine compliance with the sulfur content standard in 40 CFR Sec. 60.333(b) as follows:

ASTM D 2880-71 shall be used to determine the sulfur content of liquid fuels and ASTM D 1072-80, D 3031-81, D 4084-82, or D3246-81 shall be used for the sulfur content of gaseous fuels (incorporated by reference-see 40 CFR Sec. 60.17). The applicable ranges of some ASTM methods mentioned above are not adequate to measure the levels of sulfur in some fuel gases. Dilution of samples before analysis (with verification of the dilution ratio) may be used, subject to the approval of the Administrator.

(e) To meet the requirements of 40 CFR Sec. 60.334(b), the owner or operator shall use the methods specified in paragraphs (a) and (d) of this condition to determine the nitrogen and sulfur contents of the fuel being burned. The analysis

may be performed by the owner or operator, a service contractor retained by the owner or operator, the fuel vendor, or any other qualified agency.

III. MONITORING REQUIREMENTS.

 # 014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91 - 129.95 and 129.111 - 129.115]

The permittee shall calculate the VOC emissions monthly as well as on a twelve (12) month rolling basis.

 # 015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code 127.512 anf 40 CFR Section 60.334].

(1) The permittee shall monitor, when in operation,
(a) the water to fuel ratio for each water injection system, and
(b) the hours of operation

(2) The permittee shall conduct fuel sulfur and nitrogen monitoring according to the custom monitoring schedule approved by US EPA and the Department (EPA Applicability Determination Index Letter, Control NO. 0100017).

(3) If the permittee wishes to use a fuel(s) other than Jet A, a new custom monitoring plan shall be submitted to and approved by the Environmental Protection Agency prior to use of the fuel(s). Alternatively, nitrogen and sulfur monitoring shall be conducted daily while using the new fuel until a new custom plan is approved.

 # 016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.334]

Subpart GG - Standards of Performance for Stationary Gas Turbines

Monitoring of operations.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512].

The permittee shall monitor the applicable parameters:

(a) The owner or operator of any stationary gas turbine subject to the provisions of 40 CFR 60 subpart GG and using water injection to control NOx emissions shall install and operate a continuous monitoring system to monitor and record the fuel consumption and the ratio of water to fuel being fired in the turbine. This system shall be accurate to within ± 5.0 percent and shall be approved by the Administrator.

(b) The owner or operator of any stationary gas turbine subject to the provisions of 40 CFR 60 subpart GG shall monitor sulfur content and nitrogen content of the fuel being fired in the turbine. The frequency of determination of these values shall be as follows:

(1) If the turbine is supplied its fuel from a bulk storage tank, the values shall be determined on each occasion that fuel is transferred to the storage tank from any other source.

(2) If the turbine is supplied its fuel without intermediate bulk storage the values shall be determined and recorded daily. Owners, operators or fuel vendors may develop custom schedules for determination of the values based on the design and operation of the affected facility and the characteristics of the fuel supply. These custom schedules shall be substantiated with data and must be approved by the Administrator before they can be used to comply with paragraph (b) of this condition.

(c) For the purpose of reports required under 40 CFR Sec. 60.7(c), periods of excess emissions that shall be reported are defined as follows:

(1) Nitrogen oxides. Any one-hour period during which the average water-to-fuel ratio, as measured by the continuous monitoring system, falls below the water-to-fuel ratio determined to demonstrate compliance with 40 CFR Sec. 60.332 by

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the performance test required in 40 CFR Sec. 60.8 or any period during which the fuel-bound nitrogen of the fuel is greater than the maximum nitrogen content allowed by the fuel-bound nitrogen allowance used during the performance test required in 40 CFR Sec. 60.8. Each report shall include the average water-to-fuel ratio, average fuel consumption, ambient conditions, gas turbine load, and nitrogen content of the fuel during the period of excess emissions, and the graphs or figures developed under 40 CFR Sec. 60.335(a).

(2) Sulfur dioxide. Any daily period during which the sulfur content of the fuel being fired in the gas turbine exceeds 0.2 percent.

IV. RECORDKEEPING REQUIREMENTS.

 # 017 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code 127.511].

(a) The permittee shall record in a bound logbook, when in operation,

(1) the water to fuel ratio for each water injection system, and
(2) the hours of operation

Proper identification for each generator shall be used so that each generator can be distinguished individually.

(b) the permittee shall record the sulfur and nitrogen content of the fuel analyzed according to the Custom Monitoring Plan.

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

[Additional authority for this permit condition is from 25 Pa. Code Sections 129.91 - 129.95 and 129.111 - 129.115.]

The permittee shall keep records of the VOC emissions and calculations on a monthly and on a 12-month rolling basis.

V. REPORTING REQUIREMENTS.

 # 019 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code 127.512].

The permittee shall, upon the Department's request, provide

(a) fuel analyses, or
(b) samples of the fuel used in the aforementioned turbine generators.

VI. WORK PRACTICE REQUIREMENTS.

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

The permittee shall

(a) maintain the water to fuel ratio for the water injection system on each gas turbine generator at 1:1 weight basis
(b) operate and maintain each gas turbine in accordance with manufacturer's specifications to ensure compliance with emissions limitations.

VII. ADDITIONAL REQUIREMENTS.

 # 021 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) This source consists of four gas turbines, Sources 042a, 042b, 042c, and 042d.

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(b) Each turbine is a UST 4000/Allison 501-KBSS and rated 5280 bhp, 3743 kW and 51MMBtu/hr.

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

SECTION D. Source Level Requirements

Source ID: 050 Source Name: NG EMERGENCY GENERATORS (18 GENERATORS)

Source Capacity/Throughput:

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from any of these emergency generators at any time, in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

 # 002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from any of these generators 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 §127.14]

Exemptions.

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.441.]

The following engines shall be limited to NOx emissions of 100 lb/hr, 1000 lb/day, 2.75 tons per ozone season (May 1 - September 30) and 6.6 tons per year on a 12-month rolling basis:

Bldg 3-19 emergency generator (BCC # 957618) Wistar 503320 system, John Deere 413 hp engine, Power Tech generator (240 kWe) [RFD 1842]
Bldg 3-28B generator (BCC #102879) Cummins QSL9-G7 series 464 hp engine [RFD 7804]
Bldg 3-95 - 115 hp (60 kW) A4211/Cummins; Ford; Cummins [RFD 1841]
Bldg 3-28 - 243 hp (150 kW) A2352 / Cummins; Power Solutions; Newage [RFD 3929]
Bldg 3-61A 176 hp (100 kW) A2353/ Cummins; Cummins; Newage [RFD 3929]

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91 - 129.95 and 129.111 - 129.115]
The total Volatile Organic Compounds (VOCs) from the sources listed below shall not exceed 8.0 tons per year on a twelve (12) month rolling basis.

Source 042 .....(4) Turbine generators formerly 040
Source 041 .....Emergency Generator (Bldg 3-10)
Source 050 .....NG. Emergency Generators
Source 051 .....CI Emergency Generators & Diesel Fire Pump (only Bldg 3-52,3-19)

[For bldg. 3-57, 500 KW generator, BCC No. 102322, part of source ID 050C, citation of RACT does not apply].

SECTION D. Source Level Requirements

Operation Hours Restriction(s).

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 129.111 - 129.115.]

The permittee shall limit operation of any of these emergency generators to fewer than 500 hours in any 12 consecutive month period.

[For bldg. 3-57, 500 KW generator, BCC No. 102322, part of source ID 050C, citation of RACT does not apply].

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.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512 and 129.111 - 129.115.]

The permittee shall monitor the hours of operation of each engine when in operation and calculate the total hours on a monthly and on a 12-month rolling basis.

[For bldg. 3-57, 500 KW generator, BCC No. 102322, part of source ID 050C, citation of RACT does not apply].

 # 007 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is from 25 Pa. Code Section 127.14(a)(8).]

The permittee shall calculate the NOx emissions on a monthly, ozone season and 12-month rolling basis for all the engines comprising Source IDs 050 and 051.

Note: So long as compliance with the ozone season and annual NOx emissions in Condition #003 for this Source ID is demonstrated, the permittee may calculate and update the monthly, ozone season and 12-month rolling NOx emissions at the end of each calendar year.

The permittee may calculate the NOx emissions by engine groups. In this case, the worst case NOx emission factor for all engines in the group is used to calculate the NOx emissions for each engine in the group. A group may include up to all the engines in Source IDs 050 and 051.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91 - 129.95 and 129.111 - 129.115]

The permittee shall calculate the VOC emissions monthly as well as on a twelve (12) month rolling basis.

[For bldg. 3-57, 500 KW generator, BCC No. 102322, part of source ID 050C, citation of RACT does not apply].

IV. RECORDKEEPING REQUIREMENTS.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.512, 127.14(a)(8), 129.91 - 129.95, 129.111 - 129.115.]

SECTION D. Source Level Requirements

The permittee shall record the following:

(a) the hours of operation when in operation and the total hours on a monthly and 12-month rolling basis and the VOC emissions on a monthly and 12-month rolling basis;

(b) the NOx emissions on a monthly, ozone season and 12-month rolling basis for all the engines comprising Source IDs 050 and 051.

Note: So long as compliance with the ozone season and annual NOx emissions in Condition #003 for this Source ID is demonstrated, the permittee may update the monthly, ozone season and 12-month rolling NOx emissions at the end of each calendar year.

[For bldg. 3-57, 500 KW generator, BCC No. 102322, part of source ID 050C, citation of RACT does not apply].

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.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 25 Pa. Code Sections 129.111 - 129.115.]

Pursuant to 25 Pa. Code Sections 129.97 (c) and (c)(8),
the owner and operator of each emergency generator shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices, which is the presumptive RACT.

[For bldg. 3-57, 500 KW generator, BCC No. 102322, part of source ID 050C, citation of RACT does not apply].

VII. ADDITIONAL REQUIREMENTS.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Source 050, NG Emergency Generators, consists of the following generators. The generators are subject to additional requirements for 40 CFR Part 63 Subpart ZZZZ and 40 CFR Part 60 Subpart JJJJ. Requirements for the Subparts are listed in the Source ID indicated.

Source ID 050A - 050 Generators <= 500 hp Existing Emergency SI ZZZZ Requirements

		BCC No. / System; Engine; Generator
Bldg 3-01	70 hp (45 kW)	A0312/ Onan; Ford; Onan
Bldg 3-02	66 hp (30 kW)	A0317 / Onan; Ford; Onan
Bldg 3-03	495 hp (325kW)	A0319 / Cummins; Cummins; Cummins
Bldg 3-04	38.8 hp (25 kW)	A0309 / Onan; Chrysler; Onan
Bldg 3-12	383 hp (250 kW)	A0310 / Cummins; Cummins; Cummins
Bldg 3-30	193 hp (125 kW)	A0429 / Katolight; Hercules; Katolight
Bldg 3-31	202 hp (125 kW)	A0315 / Onan; Cummins; Cummins
Bldg 3-31B	93 hp (60 kW)	A0316 / Kohler; Ford; Kohler
Bldg 3-32	19.3 hp (12.5 kW)	A0308 / Onan; Onan; Onan
Bldg 3-95	115 hp (60 kW)	A4211/Cummins; Ford; Cummins
Bldg 3-96	109 hp (70 kW)	A0307 / Katolight; Great Lakes/GM; Katolight

Source ID 050B - 050 Generators >500 hp New Emergency SI ZZZZ Requirements

SECTION D. Source Level Requirements

	BCC No. / System; Engine; Generator
Bldg 3-25 - 705 hp (450 kW)	A0428 / Caterpillar; Caterpillar; Caterpillar

Source ID 050C - 050 Generators New Emergency SI JJJJ Requirements

	BCC No. / System; Engine; Generator
Bldg 3-28 - 243 hp (150 kW)	A2352 / Cummins; Power Solutions; Newage
Bldg 3-35 - 383 hp (250 kW)	A4912 / Newage; Cummins; Stamford/Newage
Bldg 3-61 - 383 hp (250 kW)	L00A4911 / Newage; Cummins; Stamford Newage
Bldg 3-61A 176 hp (100 kW)	A2353/ Cummins; Cummins; Newage
Bldg 3-20 - 530 hp (350 kW)	A2371 / Cummins; Cummins; Cummins (RFD 5379)
Bldg 3-57 - 850 hp (500 kW)	102322/ Cummins; Cummins; Cummins (Plan Approval 23-0009K, RFD 6892)

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

SECTION D. Source Level Requirements

Source ID: 050A Source Name: 050 GENERATORS <= 500 HP EXISTING SI ZZZZ REQUIREMENTS

Source Capacity/Throughput:

I. RESTRICTIONS.

Operation Hours Restriction(s).

 # 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]

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

What definitions apply to this subpart?

[Additional authority for this permit condition is from 40 CFR Section 63.6640(f) and 25 Pa. Code Section 127.441.]

The permittee shall operate this engine as an "emergency stationary RICE" as follows:

(a) The engine is operated to provide electrical power or mechanical work during an emergency situation. There is no restriction on hours of operation during an emergency situation, unless elsewhere restricted.

(b) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 63.6640(f).

(c) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 63.6640(f), the engine will not be considered an emergency engine under 40 C.F.R.Part Subpart ZZZZ and must meet all requirements for nonemergency engines.

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 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

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

Pursuant to 40 CFR 63.6625(f), the owner/operator must install a non-resettable hour meter if one is not already installed.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

What records must I keep?

Pursuant to 40 CFR Section 63.6655(a)(1), (2) and (5), the permittee shall keep the following records:

(a) a copy of each notification and report submitted to comply with 40 CFR Part 63 Subpart ZZZZ, with relevant documentation;

(b) records of the occurrence and duration of each malfunction of operation;

(c) records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR Section 63.6605(b) (Condition # 008) including corrective actions to restore the malfunctioning process to its normal method of operation.

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

What records must I keep?

SECTION D. Source Level Requirements

Pursuant to 40 CFR Sections 63.6655 (d), (e) and (e)(2) and Table 6, Item 9, the permittee shall keep the following maintenance records:

(a) either the manufacturer's emission-related operation and maintenance instructions or the facility's maintenance plan, whichever is relied upon for compliance with Condition # 010.

(b) records of maintenance conducted on the engine.

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

What records must I keep?

Pursuant to 40 CFR Sections 63.6655(f) and (f)(1),

The permittee shall keep the records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee shall 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.

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]

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

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

[Additional authority for this permit condition is from 40 CFR Section 63.10(b)(1).]

(a) The permittee shall keep records in a form suitable and readily available for expeditious review and for a period of 5-years following the time the event recorded or record first occurs;

(b) Records may be kept in hard copy or electronic format.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]

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

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

Pursuant to 40 CFR Section 63.6602 and Table 2c, Item 6, the permittee shall perform the following service on the engine:

(a) change the oil and filter every 500 hours of operation or annually, whichever comes first;

(b) inspect the spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and

(c) inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

(d) the permittee has the option of using an oil analysis program, as described in 40 CFR Section 63.6625(j) (Condition #009) to extend the above oil change requirements.

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]

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

SECTION D. Source Level Requirements

What are my general requirements for complying with this subpart?

Pursuant to 40 CFR Section 63.6605, the permittee shall

(a) Comply with operating limitations and other applicable requirements at all times;

(b) Operate the engine, including monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

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

In accordance with 40 CFR Section 63.6625 (j), the permittee has the option of using an oil analysis program, in order to extend the oil change requirement in Condition # 007.

(a) The oil analysis must be performed at the same frequency specified in 40 CFR Part 63 Subpart ZZZZ Table 2c Item 6 (Condition # 007). The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide per gram from the Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis.

(b) If the engine is not in operation when the results of the analysis in paragraph (a) are received, the engine owner or operator must change the oil within 2 business days of receiving the results or before commencing operation, whichever is later, pursuant to 40 CFR Section 63.6625(j).

(c) The permittee shall keep records of the parameters that are analyzed as part of the oil analysis program, the results of the analysis, and the oil changes for the engine.

(d) If the permittee uses an oil analysis program, as indicated in paragraph (a), the oil analysis program shall be part of the maintenance plan for the engine, as required by 40 CFR Section 63.6625(j).

 # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

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

Pursuant to 40 CFR Section 63.6625(h),

The permittee shall minimize the engine's time spent at idle and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

 # 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

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

Pursuant to 40 CFR Sections 63.6625(e) and (e)(2),

The permittee shall operate and maintain the engine and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop his/her 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.

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

 # 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]

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

When do I have to comply with this subpart?

This engine is subject to the requirements of 40 CFR Part 63 Subpart ZZZZ and shall comply with all applicable requirements.

Pursuant to 40 CFR Section 63.6595(a)(1), the compliance date for Subpart ZZZZ is October 19, 2013.

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

SECTION D. Source Level Requirements

Source ID: 050B Source Name: 050 GENERATORS >500 HP NEW SI ZZZZ REQUIREMENTS

Source Capacity/Throughput:

I. RESTRICTIONS.

Operation Hours Restriction(s).

 # 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]

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

What definitions apply to this subpart?

[Additional authority for this permit condition is from 40 CFR Section 63.6640(f) and 25 Pa. Code Section 127.441.]

The permittee shall operate this engine as an "emergency stationary RICE" as follows:

(a) The engine is operated to provide electrical power or mechanical work during an emergency situation. There is no restriction on hours of operation during an emergency situation, unless elsewhere restricted.

(b) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 63.6640(f).

(c) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 63.6640(f), the engine will not be considered an emergency engine under 40 C.F.R.Part Subpart ZZZZ and must meet all requirements for nonemergency engines.

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.

 # 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6645]

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

What notifications must I submit and when?

This source is subject to the Initial Notification requirements of 40 CFR Section 63.6645(c) and (f).

[Boeing submitted the Initial Notification on May 20, 2013.]

VI. WORK PRACTICE REQUIREMENTS.

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

SECTION 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).

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

SECTION D. Source Level Requirements

Source ID: 050C Source Name: 050 GENERATORS NEW SI JJJJ REQUIREMENTS

Source Capacity/Throughput:

I. RESTRICTIONS.

Fuel Restriction(s).

 # 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?

Pursuant to 40 CFR Section 60.4243(e), the owner/operator of an engine certified on natural gas may operate the engine using propane as an alternate fuel for a maximum of 100 hours per year during emergency operations, but must keep records of such use. If 100 hours of propane use is exceeded, the owner/operator is required to conduct a performance test to demonstrate compliance with the emissions limitations for this engine.

Operation Hours Restriction(s).

 # 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?

The permittee shall operate this engine as an "emergency stationary RICE" as follows:

(a) The engine is operated to provide electrical power or mechanical work during an emergency situation. There is no restriction on hours of operation during an emergency situation, unless elsewhere restricted.

(b) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 60.4243(d).

(c) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 60.4243(d), the engine will not be considered an emergency engine under 40 C.F.R.Part 60 Subpart JJJJ and must meet all requirements for nonemergency engines.

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.

 # 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4237]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What are the monitoring requirements if I am an owner or operator of an emergency stationary SI internal combustion engine?

Pursuant to 40 CFR Section 60.4237 (a) and (b),

(a) Starting on July 1, 2010, if the emergency stationary SI internal combustion engine that is greater than or equal to 500 HP that was built on or after July 1, 2010, does not meet the standards applicable to non-emergency engines, the owner or operator must install a non-resettable hour meter.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI

SECTION D. Source Level Requirements

internal combustion engine?

[Additional authority for this permit condition is from 25 Pa. Code Section 127.441.]

(a) Pursuant to 40 CFR Section 60.4245(a), the owner/operator shall keep the following information for this engine:

(1) all notifications submitted to comply with 40 CFR Part 60, Subpart JJJJ and all supporting documentation;

(2) maintenance conducted on the engine;

(3) documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR Parts 90,1048,1054 and 1060, as applicable.

(b) The owner/operator shall keep records of the hours of operation of the engine, recorded through the non-resettable hour meter, to include the dates of operation. The hours of operation shall be classified by emergency and non-emergency operation as well as the reason for operation. Emergencies shall be identified by what caused the emergency.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

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

Pursuant to 40 CFR Section 60.4233 and Table 1 of Subpart JJJJ, this emergency engine must comply with the following emissions standards:
nitrogen oxides (NOx): 2.0 g/bhp-hr
carbon monoxide (CO): 4.0 g/bhp-hr
volatile organic compounds (VOC)*: 1.0 g/bhp-hr
*formaldehyde free basis

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4234]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

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

The owner/operator must operate and maintain the engine to meet the emission standards in Condition #005 over the entire life of the engine.

 # 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

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

[Additional authority for this permit condition is from 25 Pa. Code Section 127.441.]

The owner/operator shall demonstrate compliance with the emission limitations in Condition #005 by purchase of a certified engine, in accordance with 40 CFR Section 60.4243(b)(1).

 # 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

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

In accordance with 40 CFR Section 60.4243(a)(1), the owner/operator shall

(a) operate and maintain the certified engine according to the manufacturer's emission-related written instructions;

SECTION D. Source Level Requirements

(b) meet any applicable requirements specified in 40 CFR Part 1068, Subparts A through D;

(c) only adjust the engine settings consistent with the manufacturer's instructions.

VII. ADDITIONAL REQUIREMENTS.

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]

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

What parts of my plant does this subpart cover?

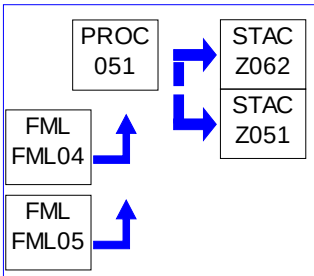
Note: compliance with 40 CFR 63, Subpart ZZZZ for this source group is by compliance with 40 CFR 60, Subpart JJJJ per 40 CFR 63.6590(c) and (c)(6).

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

SECTION D. Source Level Requirements

Source ID: 051 Source Name: CI EMERGENCY GEN & DIESEL FIRE PUMP (BLDG 3-52,3-19,3-28B)

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from any of these emergency generators at any time, in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

 # 002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this emergency generator 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 §127.14]

Exemptions.

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.441.]

The following engines shall be limited to NOx emissions of 100 lb/hr, 1000 lb/day, 2.75 tons per ozone season (May 1 - September 30) and 6.6 tons per year on a 12-month rolling basis:

Bldg 3-19 emergency generator (BCC # 957618) Wistar 503320 system, John Deere 413 hp engine, Power Tech generator (240 kWe) [RFD 1842]
Bldg 3-28B generator (BCC #102879) Cummins QSL9-G7 series 464 hp engine [RFD 7804]
Bldg 3-95 - 115 hp (60 kW) A4211/Cummins; Ford; Cummins [RFD 1841]
Bldg 3-28 - 243 hp (150 kW) A2352 / Cummins; Power Solutions; Newage [RFD 3929]
Bldg 3-61A 176 hp (100 kW) A2353/ Cummins; Cummins; Newage [RFD 3929]

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91 - 129.95 and 129.111 - 129.115].
The total Volatile Organic Compounds (VOCs) from the sources listed below shall not exceed 8.0 tons per year on a twelve (12) month rolling basis.

Source 042 .....(4) Turbine generators formerly 040
Source 041 .....Emergency Generator (Bldg 3-10)
Source 050 .....NG. Emergency Generators
Source 051 .....CI Emergency Generators & Diesel Fire Pump (only Bldg 3-52,3-19)

SECTION D. Source Level Requirements

Operation Hours Restriction(s).

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 129.111 - 129.115.]

The permittee shall limit operation of any of these emergency generators to fewer than 500 hours in any 12 consecutive month period.

[For bldg. 3-28B, 300 KW generator, BCC No. 102879, part of source ID 051C, citation of RACT does not apply].

II. TESTING REQUIREMENTS.

 # 006 [25 Pa. Code §139.16]
Sulfur in fuel oil.

The following are applicable to tests for the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 139.4(10) (relating to references).

(2) Test methods and procedures for the determination of viscosity shall be that specified in 139.4(11) (relating to references). The viscosity shall be determined at 100 F.

(3) Tests methods and procedures for the determination of sulfur shall be those specified in 139.4(12)--(15) and (20).

(4) Results shall be reported in accordance with the units specified in 123.22 (relating to combustion units).

III. MONITORING REQUIREMENTS.

 # 007 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512 and 129.111 - 129.115.]

The permittee shall monitor the hours of operation of each engine when in operation and calculate the total hours on a monthly and on a 12-month rolling basis.

[For bldg. 3-28B, 300 KW generator, BCC No. 102879, part of source ID 051C, citation of RACT does not apply].

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

[Additional authority for this permit condition is from 25 Pa. Code Section 127.14(a)(8).]

The permittee shall calculate the NOx emissions on a monthly, ozone season and 12-month rolling basis for all the engines comprising Source IDs 050 and 051.

Note: So long as compliance with the ozone season and annual NOx emissions in Condition #003 for this Source ID is demonstrated, the permittee may calculate and update the monthly, ozone season and 12-month rolling NOx emissions at the end of each calendar year.

The permittee may calculate the NOx emissions by engine groups. In this case, the worst case NOx emission factor for all engines in the group is used to calculate the NOx emissions for each engine in the group. A group may include up to all the engines in Source IDs 050 and 051.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91 - 129.95 and 129.111 - 129.115]

SECTION D. Source Level Requirements

The permittee shall calculate the VOC emissions monthly as well as on a twelve (12) month rolling basis.

[For bldg. 3-28B, 300 KW generator, BCC No. 102879, part of source ID 051C, citation of RACT does not apply].

IV. RECORDKEEPING REQUIREMENTS.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.512, 127.14(a)(8), 129.91 - 129.95, 129.111 - 129.115.]

The permittee shall record the following:

(a) the hours of operation when in operation and the total hours on a monthly and 12-month rolling basis and the VOC emissions on a monthly and 12-month rolling basis;

(b) the NOx emissions on a monthly, ozone season and 12-month rolling basis for all the engines comprising Source IDs 050 and 051.

Note: So long as compliance with the ozone season and annual NOx emissions in Condition #003 for this Source ID is demonstrated, the permittee may update the monthly, ozone season and 12-month rolling NOx emissions at the end of each calendar year.

[For bldg. 3-28B, 300 KW generator, BCC No. 102879, part of source ID 051C, citation of RACT does not apply].

 # 011 [25 Pa. Code §139.16]

Sulfur in fuel oil.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511]

The permittee shall obtain from the supplier a delivery receipt that certifies the percent Sulfur of the number 2 fuel oil, by weight, is less than or equal to 0.2 percent, each time a delivery is made.

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.

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 25 Pa. Code Sections 129.111 - 129.115.]

Pursuant to 25 Pa. Code Sections 129.97 (c) and (c)(8),
the owner and operator of each emergency generator shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices, which is the presumptive RACT.

[For bldg. 3-28B, 300 KW generator, BCC No. 102879, part of source ID 051C, citation of RACT does not apply].

VII. ADDITIONAL REQUIREMENTS.

 # 013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of the following emergency generators. The generators are subject to additional requirements or limitations for 40 CFR Part 63 Subpart ZZZZ. Requirements for the Subpart are listed in the Source ID indicated.

SECTION D. Source Level Requirements

Source ID 051A - 051 Generators <=500 hp CI Existing ZZZZ Requirements
Bldg 3-19 emergency generator (BCC # 957618)
Wistar 503320 system, John Deere 413 hp engine, Power Tech generator (240 kWe)

Source ID 051B - 051 Generators >500 hp CI Existing ZZZZ Limitations
Bldg 3-52 emergency generator (BCC A0306)
Katolight D400FRX4 system, Detroit Diesel 643 hp engine, Katolight generator (400 kWe)

Source ID 051C - 051 Generators New CI IIII Requirements
Bldg 3-52 fire pump (BCC 2354)
Clarke JU6H-UFADX8 system, John Deere Power Tech 305 hp engine

Bldg 3-28B generator (BCC #102879)
Cummins QSL9-G7 series 464 hp engine

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

SECTION D. Source Level Requirements

Source ID: 051A Source Name: 051 GENERATORS <= 500 HP CI EXISTING ZZZZ REQUIREMENTS

Source Capacity/Throughput:

I. RESTRICTIONS.

Operation Hours Restriction(s).

 # 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]

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

What definitions apply to this subpart?

[Additional authority for this permit condition is from 40 CFR Section 63.6640(f) and 25 Pa. Code Section 127.441.]

The permittee shall operate this engine as an "emergency stationary RICE" as follows:

(a) The engine is operated to provide electrical power or mechanical work during an emergency situation. There is no restriction on hours of operation during an emergency situation, unless elsewhere restricted.

(b) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 63.6640(f).

(c) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 63.6640(f), the engine will not be considered an emergency engine under 40 C.F.R.Part Subpart ZZZZ and must meet all requirements for nonemergency engines.

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 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

What records must I keep?

Pursuant to 40 CFR Section 63.6655(a)(1), (2) and (5), the permittee shall keep the following records:

(a) a copy of each notification and report submitted to comply with 40 CFR Part 63 Subpart ZZZZ, with relevant documentation;

(b) records of the occurrence and duration of each malfunction of operation;

(c) records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR Section 63.6605(b) (Condition # 007) including corrective actions to restore the malfunctioning process to its normal method of operation.

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

What records must I keep?

Pursuant to 40 CFR Sections 63.6655 (d), (e) and (e)(2) and Table 6, Item 9, the permittee shall keep the following maintenance records:

SECTION D. Source Level Requirements

(a) either the manufacturer's emission-related operation and maintenance instructions or the facility's maintenance plan, whichever is relied upon for compliance with Condition # 011.

(b) records of maintenance conducted on the engine.

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

What records must I keep?

Pursuant to 40 CFR Sections 63.6655(f) and (f)(1),

The permittee shall keep the records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee shall 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.

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]

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

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

[Additional authority for this permit condition is from 40 CFR Section 63.10(b)(1).]

(a) The permittee shall keep records in a form suitable and readily available for expeditious review and for a period of 5-years following the time the event recorded or record first occurs;

(b) Records may be kept in hard copy or electronic format.

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 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]

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

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

Pursuant to 40 CFR Section 63.6602(a) and Table 2c, Item 1, the permittee shall perform the following service on the engine:

(a) change the oil and filter every 500 hours of operation or annually, whichever comes first;

(b) inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and

(c) inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

(d) the permittee has the option of using an oil analysis program, as described in 40 CFR Section 63.6625(i) (Condition #008) to extend the above oil change requirements.

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]

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

What are my general requirements for complying with this subpart?

Pursuant to 40 CFR Section 63.6605, the permittee shall

SECTION D. Source Level Requirements

(a) Comply with operating limitations and other applicable requirements at all times;

(b) Operate the engine, including monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

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

In accordance with 40 CFR Section 63.6625 (i), the permittee has the option of using an oil analysis program, in order to extend the oil change requirement in Condition # 006.

(a) The oil analysis must be performed at the same frequency specified in 40 CFR Part 63 Subpart ZZZZ Table 2c Item 1 (Condition # 006). 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.

(b) If the engine is not in operation when the results of the analysis in paragraph (a) are received, the engine owner or operator must change the oil within 2 business days of receiving the results or before commencing operation, whichever is later, pursuant to 40 CFR Section 63.6625(i).

(c) The permittee shall keep records of the parameters that are analyzed as part of the oil analysis program, the results of the analysis, and the oil changes for the engine.

(d) If the permittee uses an oil analysis program, as indicated in paragraph (a), the oil analysis program shall be part of the maintenance plan for the engine, as required by 40 CFR Section 63.6625(i).

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

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

Pursuant to 40 CFR Section 63.6625(h) and Table 2c Item 1,

The permittee shall 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.

 # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

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

Pursuant to 40 CFR Sections 63.6625(e) and (e)(2),

The permittee shall operate and maintain the engine and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop his/her 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.

VII. ADDITIONAL REQUIREMENTS.

 # 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]

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

When do I have to comply with this subpart?

SECTION D. Source Level Requirements

This engine is subject to the requirements of 40 CFR Part 63 Subpart ZZZZ and shall comply with all applicable requirements.

Pursuant to 40 CFR Section 63.6595(a)(1), the compliance date for Subpart ZZZZ is May 3, 2013.

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

SECTION D. Source Level Requirements

Source ID: 051B Source Name: 051 GENERATOR >500 HP CI EXISTING ZZZZ LIMITATION

Source Capacity/Throughput:

I. RESTRICTIONS.

Operation Hours Restriction(s).

 # 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]

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

What definitions apply to this subpart?

[Additional authority for this permit condition is from 40 CFR Sections 63.6640(f) and 63.6590(b)(3)(iii) and 25 Pa. Code Section 127.441.]

the engine shall be operated as an "emergency stationary RICE" as follows:

(a) The engine is operated to provide electrical power or mechanical work during an emergency situation. There is no restriction on hours of operation during an emergency situation, unless elsewhere restricted.

(b) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 63.6640(f).

(c) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 63.6640(f), the engine will not be considered an emergency engine under 40 C.F.R.Part Subpart ZZZZ and must meet all requirements for nonemergency engines.

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).

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).

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

SECTION D. Source Level Requirements

Source ID: 051C Source Name: 051 GENERATORS NEW CI IIII REQUIREMENTS

Source Capacity/Throughput:

I. RESTRICTIONS.

Fuel Restriction(s).

 # 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject t

In accordance with 40 CFR Sections 60.4207(b) and 80.510(b), diesel fuel that is used in this engine is subject to the following standards:

(1) Sulfur content

15 ppm maximum.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

Operation Hours Restriction(s).

 # 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

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

The permittee shall operate this engine as an "emergency stationary RICE" as follows:

(a) The engine is operated to provide electrical power or mechanical work during an emergency situation. There is no restriction on hours of operation during an emergency situation, unless elsewhere restricted.

(b) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 60.4211(f) and in consideration of the definitions in the most recent version of 40 C.F.R. Section 60.4219.

(c) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 60.4211(f), the engine will not be considered an emergency engine under 40 C.F.R.Part Subpart IIII and must meet all requirements for nonemergency engines.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep a record of the certification, indicating compliance with the emissions limits in Condition #005.

SECTION D. Source Level Requirements

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

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

In accordance with 40 CFR Section 60.4214(b),

The owner/operator shall keep records of the operation of the engine in emergency and non-emergency service through the non-resettable hour meter. The time the engine was operated is to be recorded and the reason the engine was operated during that time.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

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

Pursuant to 60.4205 the engines in this group are subject to the following emission standards:
NMHC + NOx: 4.0 g/kW-hr (3.0 g/hp-hr)
CO: 3.5 g/kW-hr(2.6 g/hp-hr)
PM: 0.20 g/kW-hr (0.15 g/hp-hr).

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

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

The owner/operator must operate and maintain the engine to meet the emission standards in Condition #005 over the entire life of the engine.

 # 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

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

In accordance with 40 CFR Section 60.4211(a), the owner/operator shall

(a) operate and maintain the engine according to the manufacturer's emission-related written instructions;

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

(c) meet the requirements of 40 CFR parts 89,94 and/or 1068 , as applicable.

 # 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

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

In accordance with 40 CFR Section 60.4211(c), the owner/operator shall comply with the emission standards in Condition #005 by purchase of a certified engine. The engine shall be installed and configured according to the manufacturer's emission-related specifications.

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]

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

What parts of my plant does this subpart cover?

Note: Compliance with 40 CFR 63, Subpart ZZZZ is by compliance with 40 CFR 60, Subpart IIII in accordance with 40 CFR 63.6590(c) and (c)(6).

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

SECTION D. Source Level Requirements

Source ID: 110 Source Name: PAINT STRIPPER (FACILITY WIDE)

Source Capacity/Throughput:

PROC 110 → STAC Z110

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 25 Pa. Code Section 129.111(c).]

Emissions of volatile organic compounds (VOC) from facility-wide paint stripping operations shall be less than 1.0 ton/year on a 12-month rolling basis.

 # 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.746]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Standards: Depainting operations.

Pursuant to 40 CFR Section 63.746(b)(3),

Each owner or operator of a new or existing depainting operation shall not, on an annual average basis use more than 50 gallons of organic HAP-containing chemical strippers or alternatively 365 pounds of organic HAP per military aircraft,depainted for spot stripping and decal removal.

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.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate the VOC emissions from facility-wide paint stripping operations on a monthly and on a 12-month rolling basis.

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the VOC emissions from facility-wide paint stripping operations on a monthly and on a 12-month rolling basis.

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.752]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Recordkeeping requirements.

[Additional authority for this condition is derived from 25 Pa. Code Section 127.441.]

The owner/operator shall record for the facility,

(a) Pursuant to 40 CFR Section 63.752(e)(1),
(1) the name of each chemical stripper; and
(2) monthly volumes of each organic HAP containing chemical stripper used or the monthly weight of organic HAP material used for spot stripping and decal removal.

SECTION D. Source Level Requirements

(b) Pursuant to 40 CFR Section 63.752(e)(6), the owner/operator shall record for spot stripping and decal removal, the annual volume of organic HAP-containing chemical stripper or the weight of organic HAP used, the annual average volume of organic HAP-containing chemical stripper or the weight of organic HAP used per aircraft, the annual number of aircraft stripped, and all data and calculations used.

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: 171 Source Name: TOUCH & REPAIR BOOTH (BLDG 3-06)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: AEROSPACE PAINT BOOTHS GR.2

PROC 171 → CNTL C70 → STAC S72

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 this source at any time, in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

 # 002 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

(a) The permittee shall not apply to aerospace vehicles or components, aerospace specialty coatings, primers, topcoats and chemical milling maskants including VOC-containing materials added to the original coating supplied by the manufacturer, that contain VOCs in excess of the limits specified in Table II of 25 Pa. Code 129.73.

(i) Aerospace coatings that meet the definitions of the specific coatings in Table II shall meet those allowable coating VOC limits.

(ii) All other aerospace primers, aerospace topcoats and chemical milling maskants are subject to the general coating VOC limits for aerospace primers, aerospace topcoats and aerospace chemical milling maskants, pursuant to 25 Pa. Code 129.73, Table II.

(b) The allowable VOC coating limits in paragraph (a), pursuant to 25 Pa. Code 129.73, Table II, do not apply to cleaning and coating of aerospace components and vehicles in the following circumstances:

(i) The use of touchup, aerosol and Department of Defense "classified" coatings.

(ii) The coating of space vehicles.

(iii) At facilities that use separate formulations in volumes less than 50 gallons per year to a maximum exemption of 200 gallons per year of all the coatings in aggregate for these formulations.

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.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.52]

SECTION D. Source Level Requirements

The permittee shall keep daily records of the following:

(a) The following parameters for each coating and other component as supplied

(1) name and identification number

(2) volume used

(3) mix ratio

(4) density or specific gravity

(b) VOC content of each coating and other components, as supplied

(c) VOC content of each coating, as applied

(d) A current list of coatings in use categorized in accordance with Table II of 25 Pa. Code § 129.73.

(e) The permittee shall comply with the condition using the approved alternate monitoring method in the Miscellaneous Section, Section H, of this permit.

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.

This source consists of booth BCC#031533 in Bldg. 3-06.

 # 005 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

25 Pa. Code 129.73 does not apply to this source where cleaning and coating of aerospace components and vehicles as follows:

(i) At any source conducting research and development for the research and development activities.

(ii) For quality control and laboratory testing.

(iii) For production of electronic parts and assemblies (except for cleaning and coating of completed assemblies).

(iv) For rework operations performed on antique aerospace vehicles or components.

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.741]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Applicability and designation of affected sources.

The touch-up and repair conducted are subject to 40 CFR Part 63 Subpart GG, Aerospace NESHAPs, however, this subpart

SECTION D. Source Level Requirements

does not regulate research and development or quality control pursuant to 40 CFR 63.741(f).

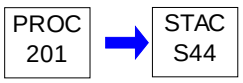
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 201 Source Name: GASOLINE TANK (TK043A)

Source Capacity/Throughput: N/A 4000 GAL

Conditions for this source occur in the following groups: GASOLINE TANKS (201 & 202)



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).

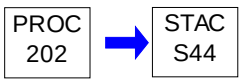
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 202 Source Name: GASOLINE TANK (TK043B)

Source Capacity/Throughput: N/A 4000 GAL

Conditions for this source occur in the following groups: GASOLINE TANKS (201 & 202)



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: 213 Source Name: 3-12 DEGREASER 11-088308

Source Capacity/Throughput:

PROC 213 → STAC S53

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91 - 129.95]

The total Volatile Organic Compounds (VOCs) of the Degreasers (Source #213) shall not exceed 20.2 tons per year on a twelve month rolling basis.

 # 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.464]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning

Alternative standards

The Hazardous Air Pollutant (HAP) emissions shall not exceed 150 kg/m2 of solvent/air interface per month averaged over three (3) consecutive months using the procedures in 40 CFR § 63.465(b) and (c).

II. TESTING REQUIREMENTS.

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.465]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning

Test methods

Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with 40 CFR § 63.464 shall on the first operating day of the month comply with the requirements specified in paragraphs (1) through (3) of this condition.

(1) Using the records of all solvent additions and deletions for the previous monthly reporting period required under 40 CFR § 63.464(a), determine solvent emissions (Ei) using 40 CFR Section 63.465 equation 2 for cleaning machines with a solvent/air interface.

(2) Determine SSRi:

(i) From tests conducted using EPA reference method 25D, or

(ii) By engineering calculations included in the compliance report.

(3) Determine the monthly rolling average, EA, for the 3-month period ending with the most recent reporting period using 40 CFR § 63.465 Equation 4 for cleaning machines with a solvent/air interface.

III. MONITORING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91 - 129.95]

(a) The permittee shall monitor the solvent consumption, monthly

(b) The permittee shall calculate the VOC emissions monthly, and on a twelve (12) month rolling basis.

(c) the dates and amounts of solvent added to the machine and the deletions of solvent from the machine on a minimum of a monthly basis.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91 - 129.95]

The permittee shall keep records of the following:

(a) VOC emissions monthly, and a twelve (12) month rolling basis and

(b) emissions per month averaged over three (3) consecutive months using the procedures in 40 CFR Sec. 63.465(b) and (c).

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.467]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning

Recordkeeping requirements

Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the provisions of 40 CFR § 63.464 shall maintain records specified in paragraphs (1) through (3) of this condition either in electronic or written form for a period of 5 years.

(1) The dates and amounts of solvent that are added to the solvent cleaning machine.

(2) The solvent composition of wastes removed from cleaning machines as determined using the procedure described in 40 CFR § 63.465(c)(2).

(3) Calculation sheets showing how monthly emissions and the rolling 3-month average emissions from the solvent cleaning machine were determined, and the results of all calculations.

V. REPORTING REQUIREMENTS.

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.468]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning

Reporting requirements

Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the provisions of 40 CFR § 63.464 shall submit to the Administrator an initial statement of compliance for each solvent cleaning machine. For existing sources, this report shall be submitted to the Administrator no later than 150 days after the compliance date specified in 40 CFR § 63.460(d). For new sources, this report shall be submitted to the Administrator no later than 150 days after startup or May 1, 1995, whichever is later. The statement shall include the information specified in paragraphs (e)(1) through (e)(4) of this section.

(1) The name and address of the solvent cleaning machine owner or operator.

(2) The address of the solvent cleaning machine(s).

(3) The solvent/air interface area for each solvent cleaning machine or, for cleaning machines without a solvent/air interface, a description of the method used to determine the cleaning capacity and the results.

(4) The results of the first 3-month average emissions calculation.

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.468]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning

Reporting requirements

The permittee shall submit an exceedance report for this degreaser to the EPA Administrator on a semi-annual basis. The EPA has discretion to require more frequent reporting as necessary. These reports shall cover the calendar periods ending June, and December, of each year, shall be post marked within thirty (30) days of the end of the reporting period, and shall state, at a minimum, the following items:

SECTION D. Source Level Requirements

(a) Actions taken to maintain compliance, and

(b) Exceedance and the associated corrective action.

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.468]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning

Reporting requirements

The Permittee shall submit annual reports from previous calendar year (January through December) to the EPA concerning the amount of degreaser usage. These reports are due February 1, of the following year, and shall include the following information:

(a) The size and type of each vapor degreaser (solvent/air interface or cleaning capacity)

(b) The average monthly solvent consumption for the solvent cleaning machine in kilograms per month

(c) The 3-month monthly rolling average solvent emission estimates calculated each month using the method as described in 40 CFR Sec. § 63.465(c)

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.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This degreaser is a Baron Blakeslee MSR-216LE Batch Vapor Spray Degreaser (BCC 11-08838) with a vapor-air interface of 3.60 ft2, a cover, a freeboard ratio of 125% and primary and secondary refrigeration.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The methodology for batch vapor degreasers complying with 40 CFR Section 63.464, for calculating vapor degreasers' emissions (Source 213), is provided by formula in 40 CFR 63.465(c).

(b) Pursuant to Applicability Determination Index, Control Number M970030, approved by EPA, the permittee shall calculate emissions as follows:

"assume that the halogenated HAP concentration of the liquid removed is same as the halogenated HAP concentration of the liquid added to the machine."

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to 40 CFR Section 63.464(a), this degreaser complies with the alternative standards of 40 CFR Section 63.464 rather than the standard requirements of 40 CFR Section 63.463.

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

SECTION D. Source Level Requirements

Source ID: 214 Source Name: BLDG 3-12 VACUUM DEGREASER (BCC#30991)

Source Capacity/Throughput:

PROC 214 → STAC S214

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.14]

Exemptions.

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.441].

The source shall be limited to VOC emissions of 2.7 tons/yr.

 # 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.464]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning

Alternative standards

The Hazardous Air Pollutant (HAP) emissions shall not exceed 500 kg/month averaged over three (3) consecutive months using the procedures in 40 CFR § 63.465(b) and (c).

II. TESTING REQUIREMENTS.

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.465]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning

Test methods

Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with 40 CFR § 63.464 shall on the first operating day of the month comply with the requirements specified in paragraphs (1) through (3) of this condition.

(1) Using the records of all solvent additions and deletions for the previous monthly reporting period required under 40 CFR § 63.464(a), determine solvent emissions (Ei) using 40 CFR Section 63.465 equation 3 for cleaning machines without a solvent/air interface.

(2) Determine SSRi:
(i) From tests conducted using EPA reference method 25D, or
(ii) By engineering calculations included in the compliance report.

(3) Determine the monthly rolling average, EA, for the 3-month period ending with the most recent reporting period using 40 CFR § 63.465 Equation 5 for cleaning machines without a solvent/air interface.

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.465]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning

Test methods

Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with §63.464 shall, on the first operating day of every month ensure that the solvent cleaning machine system contains only clean liquid solvent. This includes, but is not limited to, fresh unused solvent, recycled solvent, and used solvent that has been cleaned of soils. A fill line must be indicated during the first month the measurements are made. The solvent level within the machine must be returned to the same fill-line each month, immediately prior to calculating monthly emissions as specified in paragraph (c) of this section. The solvent cleaning machine does not have to be emptied and filled with fresh unused solvent prior to the calculations.

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).

IV. RECORDKEEPING REQUIREMENTS.

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.467]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning

Recordkeeping requirements

Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the provisions of §63.464 shall maintain records specified in paragraphs (1) through (3) of this section either in electronic or written form for a period of 5 years.

(1) The dates and amounts of solvent that are added to the solvent cleaning machine.

(2) The solvent composition of wastes removed from cleaning machines as determined using the procedure described in §63.465(c)(2).

(3) Calculation sheets showing how monthly emissions and the rolling 3-month average emissions from the solvent cleaning machine were determined, and the results of all calculations.

V. REPORTING REQUIREMENTS.

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.468]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning

Reporting requirements

Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the provisions of §63.464 shall submit to the Administrator an initial statement of compliance for each solvent cleaning machine. For existing sources, this report shall be submitted to the Administrator no later than 150 days after the compliance date specified in §63.460(d). For new sources, this report shall be submitted to the Administrator no later than 150 days after startup or May 1, 1995, whichever is later. The statement shall include the information specified in paragraphs (1) through (4) of this section.

(1) The name and address of the solvent cleaning machine owner or operator.

(2) The address of the solvent cleaning machine(s).

(3) The solvent/air interface area for each solvent cleaning machine or, for cleaning machines without a solvent/air interface, a description of the method used to determine the cleaning capacity and the results.

(4) The results of the first 3-month average emissions calculation.

[Boeing submitted the initial statement of compliance for source ID 214 on October 30, 2018].

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.468]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning

Reporting requirements

The permittee shall submit an exceedance report for this degreaser to the EPA Administrator on a semi-annual basis. The EPA has discretion to require more frequent reporting as necessary. These reports shall cover the calendar periods ending June, and December, of each year, shall be post marked within thirty (30) days of the end of the reporting period, and shall state, at a minimum, the following items:

(a) Actions taken to maintain compliance, and

(b) Exceedance and the associated corrective action.

SECTION D. Source Level Requirements

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.468]

Subpart T--National Emission Standards for Halogenated Solvent Cleaning

Reporting requirements

The Permittee shall submit annual reports from previous calendar year (January through December) to the EPA concerning the amount of degreaser usage. These reports are due February 1, of the following year, and shall include the following information:

(a) The size and type of each vapor degreaser (solvent/air interface or cleaning capacity);

(b) The average monthly solvent consumption for the solvent cleaning machine in kilograms per month;

(c) The 3-month monthly rolling average solvent emission estimates calculated each month using the method as described in 40 CFR Sec. § 63.465(c).

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.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to 40 CFR Section 63.464(a), this degreaser complies with the alternative standards of 40 CFR Section 63.464 rather than the standard requirements of 40 CFR Section 63.463.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This multichamber vacuum degreaser is a Serec Corporation, Custom Airless vacuum vapor degreaser #149 without a solvent-air interface.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The methodology for batch vapor degreasers complying with 40 CFR Section 63.464, for calculating vapor degreasers' emissions, is provided by formula in 40 CFR 63.465(c).

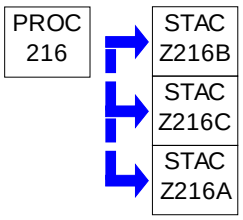
(b) Pursuant to Applicability Determination Index, Control Number M970030, approved by EPA, the permittee shall calculate emissions as follows:
"assume that the halogenated HAP concentration of the liquid removed is same as the halogenated HAP concentration of the liquid added to the machine."

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

SECTION D. Source Level Requirements

Source ID: 216 Source Name: CLEANING SOLVENT EMISSION

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91 - 129.95]

The Volatile Organic Compounds (VOCs) emissions from the solvent wiping shall not exceed 181 tons per year on a twelve (12) month rolling basis.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91 - 129.95]

The Volatile Organic Compounds (VOCs) from the spray gun cleaning shall not exceed 29 tons per year on a twelve (12) month rolling basis.

II. TESTING REQUIREMENTS.

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.750]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Test methods and procedures.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512]

Hand-wipe Cleaning Solvents:

(a) Composition determination.

Compliance with the hand-wipe cleaning solvent approved composition list specified in 40 CFR Sec. 63.744(b)(1) for hand-wipe cleaning solvents shall be demonstrated using data supplied by the manufacturer of the cleaning solvent. The data shall identify all components of the cleaning solvent and shall demonstrate that one of the approved composition definitions is met.

(b) Vapor pressure determination.

The composite vapor pressure of hand-wipe cleaning solvents used in a cleaning operation subject to this subpart shall be determined as follows:

(1) For single-component hand-wipe cleaning solvents, the vapor pressure shall be determined using SDS or other manufacturer's data, standard engineering reference texts, or other equivalent methods.

(2) The composite vapor pressure of a blended hand-wipe solvent shall be determined by quantifying the amount of each organic compound in the blend using manufacturer's supplied data or a gas chromatographic analysis in accordance with ASTM E 260-91 (incorporated by reference as specified in 40 CFR Sec. 63.14 of subpart A of this part) and by calculating the composite vapor pressure of the solvent by summing the partial pressures of each component. The vapor pressure of each

SECTION D. Source Level Requirements

component shall be determined using manufacturer's data, standard engineering reference texts, or other equivalent methods. The composite vapor pressure of a blended hand-wipe solvent shall be determined by the methodology contained in § 63.750(b)(2).

III. MONITORING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.512 and 129.91-129.95.]

The permittee shall conduct the following to ensure compliance with the VOC emission limit:

(a) use a collection system for disposal of wipe solvent and spent solvent to minimize emissions

(b) centralize the activities and utilize its material management system to monitor solvent usage and reduce spillage and waste

(c) use its material data management system to assist in calculating the actual VOC emissions on a monthly basis, and on a twelve (12) month rolling basis.

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.751]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Monitoring requirements.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512]

The permittee shall monitor the applicable parameters for -

Enclosed spray gun cleaners.

Each owner or operator using an enclosed spray gun cleaner under 40 CFR Sec. 63.744(c)(1) shall visually inspect the seals and all other potential sources of leaks associated with each enclosed spray gun cleaner system at least once per month. Each inspection shall occur while the system is in operation.

IV. RECORDKEEPING REQUIREMENTS.

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.752]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Recordkeeping requirements.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.512 and 129.73]

The permittee shall maintain records of the:

Cleaning operation.

Each owner or operator of a new or existing cleaning operation subject to this subpart shall record the information specified in paragraphs (1) through (5) of this condition, as appropriate.

(1) The name, vapor pressure, and documentation showing the organic HAP constituents of each cleaning solvent used for affected cleaning operations at the facility.

(2) For each cleaning solvent used in hand-wipe cleaning operations that complies with the composition requirements specified in 40 CFR Sec. 63.744(b)(1) or for semi-aqueous cleaning solvents used for flush cleaning operations:

(i) The name of each cleaning solvent used;

(ii) All data and calculations that demonstrate that the cleaning solvent complies with one of the composition

requirements; and

(iii) Annual records of the volume of each solvent used, as determined from facility purchase records or usage records; and

(iv) The water content of aqueous and semi-aqueous hand wiping solvent.

(3) For each cleaning solvent used in hand-wipe cleaning operations that does not comply with the composition requirements in 40 CFR Sec. 63.744(b)(1), but does comply with the vapor pressure requirement in 40 CFR Sec. 63.744(b)(2):

(i) The name of each cleaning solvent used;

(ii) The composite vapor pressure of each cleaning solvent used;

(iii) All vapor pressure test results, if appropriate, data, and calculations used to determine the composite vapor pressure of each cleaning solvent; and

(iv) The amount (in gallons) of each cleaning solvent used each month at each operation.

(4) For each cleaning solvent used for the exempt hand-wipe cleaning operations specified in 40 CFR Sec. 63.744(e) that does not conform to the vapor pressure or composition requirements of 40 CFR Sec. 63.744(b):

(i) The identity and amount (in gallons) of each cleaning solvent used each month at each operation; and

(ii) A list of the processes set forth in 40 CFR Sec. 63.744(e) to which the cleaning operation applies.

(5) A record of all leaks from enclosed spray gun cleaners identified pursuant to 40 CFR Sec. 63.751(a) that includes for each leak found:

(i) Source identification;

(ii) Date leak was discovered; and

(iii) Date leak was repaired.

V. REPORTING REQUIREMENTS.

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.753]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Reporting requirements.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512]

The permittee shall submit the following information:

(1) Semiannual reports occurring every 6 months that identify:

(i) Any instance where a noncompliant cleaning solvent is used for a non-exempt hand-wipe cleaning operation;

(ii) A list of any new cleaning solvents used for hand-wipe cleaning in the previous 6 months and, as appropriate, their composite vapor pressure or notification that they comply with the composition requirements specified in 40 CFR Sec. 63.744(b)(1);

(iii) Any instance where a noncompliant spray gun cleaning method is used;

(iv) Any instance where a leaking enclosed spray gun cleaner remains unrepaired and in use for more than 15 days; and

SECTION D. Source Level Requirements

(v) If the operations have been in compliance for the semiannual period, a statement that the cleaning operations have been in compliance with the applicable standards. Sources shall also submit a statement of compliance signed by a responsible company official certifying that the facility is in compliance with all applicable requirements.

VI. WORK PRACTICE REQUIREMENTS.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.512 and 129.91-129.95.]

(1) The permittee shall operate and maintain the spray gun cleaning equipment and solvent wiping equipment in a manner consistent with good operating and maintenance (O&M) practices to ensure compliance with the respective VOC emission limit for the spray gun cleaning and solvent wiping.

(2) The practices shall include, but not be limited to the following:

(a) Good housekeeping procedures for storage, use, and disposal of solvents.

(b) Employee training detailing good work practices.

(c) Periodic inspection of production and cleaning activities.

(d) Covered solvent containers when not in use.

(e) Monthly inspection of the spray gun cleaning equipment.

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.744]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Standards: Cleaning operations.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512]

[Compliance with the requirement in this permit condition assures compliance with the provisions found in applicable requirement 25 Pa. Code § 129.73(11)]

The permittee shall comply with the applicable requirements:

Housekeeping measures.

(a) Each owner or operator of a new or existing cleaning operation subject to the 40 CFR 63 subpart GG shall comply with the requirements in these paragraphs unless the cleaning solvent used is identified in Table 1 of 40 CFR Sec. 63.744 or meets the definition of “Non-HAP material” in 63.742. The requirements of these paragraphs do not apply to spent cleaning solvents, and solvent-laden applicators that are subject to and handled and stored in compliance with 40 CFR parts 262 through 268 (including the air emission control requirements in 40 CFR part 265, subpart CC).

(1) Place cleaning solvent-laden cloth, paper, or any other absorbent applicators used for cleaning in bags or other closed containers upon completing their use. Ensure that these bags and containers are kept closed at all times except when depositing or removing these materials from the container. Use bags and containers of such design so as to contain the vapors of the cleaning solvent. Cotton-tipped swabs used for very small cleaning operations are exempt from this requirement.

(2) Store fresh and spent cleaning solvents, except semi-aqueous solvent cleaners, used in aerospace cleaning operations in closed containers.

(3) Conduct the handling and transfer of cleaning solvents to or from enclosed systems, vats, waste containers, and other

cleaning operation equipment that hold or store fresh or spent cleaning solvents in such a manner that minimizes spills.

(4) Demonstrate to the Administrator (or delegated authority) that equivalent or better alternative measures are in place compared to the use of closed containers for the solvent-laden materials described in paragraph (a)(1) of this section or the storage of solvents described in paragraph (a)(2) of this section.

(b) "Completing their use", from paragraph (a)(1) above, means upon completion of the cleaning operation, before leaving for a break, or end of a shift, whichever comes first.

(c) For purposes of compliance demonstration, flip-top type solvent dispensing bottles on the shop floor will be considered covered even if the flip top is in an “up” position. This determination is pursuant to the company's demonstration of equivalency in accordance with 40 CFR 63.744(a)(4) in RFD 4707.

The permittee shall maintain the placing of flip top lids on solvent bottles of any size in the “down” position when not in use or when stored in cabinets as a best management practice.

 # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.744]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Standards: Cleaning operations.

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.512 and 129.91-129.95.]

[Compliance with the requirement in this permit condition assures compliance with the provisions found in applicable requirement 25 Pa. Code § 129.73(10)]

The permittee shall comply with the applicable requirements:

Spray gun cleaning.

Each owner or operator of a new or existing spray gun cleaning operation subject to this subpart in which spray guns are used for the application of coatings or any other materials that require the spray guns to be cleaned shall use one or more of the techniques, or their equivalent, specified in paragraphs (1) through (4) of this condition. Spray gun cleaning operations using cleaning solvent solutions that contain HAP and VOC below the de minimis levels specified in 40 CFR Sec. 63.741(f) are exempt from the requirements in paragraphs (1) through (4) of this condition.

(1)(i) Enclosed system. Clean the spray gun in an enclosed system that is closed at all times except when inserting or removing the spray gun. Cleaning shall consist of forcing solvent through the gun.

(ii) If leaks are found during the monthly inspection required in 40 CFR Sec. 63.751(a), repairs shall be made as soon as practicable, but no later than 15 days after the leak was found. If the leak is not repaired by the 15th day after detection, the cleaning solvent shall be removed, and the enclosed cleaner shall be shut down until the leak is repaired or its use is permanently discontinued.

(2) Nonatomized cleaning. Clean the spray gun by placing cleaning solvent in the pressure pot and forcing it through the gun with the atomizing cap in place. No atomizing air is to be used. Direct the cleaning solvent from the spray gun into a vat, drum, or other waste container that is closed when not in use.

(3) Disassembled spray gun cleaning. Disassemble the spray gun and clean the components by hand in a vat, which shall remain closed at all times except when in use. Alternatively, soak the components in a vat, which shall remain closed during the soaking period and when not inserting or removing components.

(4) Atomizing cleaning. Clean the spray gun by forcing the cleaning solvent through the gun and direct the resulting atomized spray into a waste container that is fitted with a device designed to capture the atomized cleaning solvent emissions.

(5) Cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems that can be programmed

SECTION D. Source Level Requirements

to spray into a closed container, shall be exempt from the requirements of paragraph (c) of 40 CFR Sec. 63.744

 # 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.744]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Standards: Cleaning operations.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512]

[Compliance with the requirement in this permit condition assures compliance with the provisions found in applicable requirement 25 Pa. Code § 129.73(7)]

The permittee shall comply with the applicable requirements:

Hand-wipe cleaning.

Each owner or operator of a new or existing hand-wipe cleaning operation (excluding cleaning of spray gun equipment performed in accordance with paragraph (c) of 40 CFR Sec. 63.744) subject to the 40 CFR 63 subpart GG shall use cleaning solvents that meet one of the requirements specified in paragraphs (1), (2), and (3) of this condition. Cleaning solvent solutions that contain HAP and VOC below the de minimis levels specified in 40 CFR Sec. 63.741(f) are exempt from the requirements in paragraphs (1), (2), and (3) of this condition.

(1) Meet one of the composition requirements in Table 1 of 40 CFR Sec. 63.744;

(2) Have a composite vapor pressure of 45 mm Hg (24.1 in. H2 O) or less at 20 deg. C (68 deg. F); or

(3) Demonstrate that the volume of hand-wipe solvents used in cleaning operations has been reduced by at least 60% from a baseline adjusted for production. The baseline shall be established as part of an approved alternative plan administered by the State. Demonstrate that the volume of hand-wipe cleaning solvents used in cleaning operations has been reduced by at least 60 percent from a baseline adjusted for production. The baseline shall be calculated using data from 1996 and 1997, or as otherwise agreed upon by the Administrator or delegated State Authority. The baseline shall be approved by the Administrator or delegated State Authority and shall be included as part of the facility's Title V or part 70 permit.

 # 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.744]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Standards: Cleaning operations.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512]

[Compliance with the requirement in this permit condition assures compliance with the provisions found in applicable requirement 25 Pa. Code § 129.73(8) and (9)]

The permittee shall comply with the applicable requirements:

I. Flush cleaning.

Each owner or operator of a flush cleaning operation subject to this subpart (excluding those in which Table 1 or semi-aqueous cleaning solvents are used) shall empty the used cleaning solvent each time aerospace parts or assemblies, or components of a coating unit (with the exception of spray guns) are flush cleaned into an enclosed container or collection system that is kept closed when not in use or into a system with equivalent emission control.

II. Exempt cleaning operations.

The following cleaning operations are exempt from the requirements of paragraph (b) of 40 CFR Sec. 63.744:

(1) Cleaning during the manufacture, assembly, installation, maintenance, or testing of components of breathing oxygen systems that are exposed to the breathing oxygen;

(2) Cleaning during the manufacture, assembly, installation, maintenance, or testing of parts, subassemblies, or assemblies that are exposed to strong oxidizers or reducers (e.g., nitrogen tetroxide, liquid oxygen, or hydrazine);

(3) Cleaning and surface activation prior to adhesive bonding;

(4) Cleaning of electronic parts and assemblies containing electronic parts;

(5) Cleaning of aircraft and ground support equipment fluid systems that are exposed to the fluid, including air-to-air heat exchangers and hydraulic fluid systems;

(6) Cleaning of fuel cells, fuel tanks, and confined spaces;

(7) Surface cleaning of solar cells, coated optics, and thermal control surfaces;

(8) Cleaning during fabrication, assembly, installation, and maintenance of upholstery, curtains, carpet, and other textile materials used in the interior of the aircraft;

(9) Cleaning of metallic and nonmetallic materials used in honeycomb cores during the manufacture or maintenance of these cores, and cleaning of the completed cores used in the manufacture of aerospace vehicles or components;

(10) Cleaning of aircraft transparencies, polycarbonate, or glass substrates;

(11) Cleaning and cleaning solvent usage associated with research and development, quality control, and laboratory testing;

(12) Cleaning operations, using nonflamable liquids, conducted within five feet of energized electrical systems. Energized electrical systems means any AC or DC electrical circuit on an assembled aircraft once electrical power is connected, including interior passenger and cargo areas, wheel wells and tail sections; and

(13) Cleaning operations identified as essential uses under the Montreal Protocol for which the Administrator has allocated essential use allowances or exemptions in 40 CFR 82.4.

VII. ADDITIONAL REQUIREMENTS.

 # 013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 25 Pa. Code Sections 129.91-129.95.]

The paint gun cleaning consists of spray gun, paint line and pressure pot solvent cleaning operations and cleaning activities associated with quality assurance activities.

 # 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.749]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Compliance dates and determinations.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512]

The permittee shall determine compliance using the respective methods:

Cleaning operations.

Each cleaning operation subject to this subpart shall be considered in noncompliance if the owner or operator fails to institute and carry out the housekeeping measures required under 40 CFR Sec. 63.744(a). Incidental emissions resulting from the activation of pressure release vents and valves on enclosed cleaning systems are exempt from this paragraph.

(1) Hand-wipe cleaning. An affected hand-wipe cleaning operation shall be considered in compliance when all hand-wipe

SECTION D. Source Level Requirements

cleaning solvents, excluding those used for hand cleaning of spray gun equipment under 40 CFR Sec. 63.744(c)(3), meet either the composition requirements specified in 40 CFR Sec. 63.744(b)(1) or the vapor pressure requirement specified in 40 CFR Sec. 63.744(b)(2).

(2) Spray gun cleaning. An affected spray gun cleaning operation shall be considered in compliance when each of the following conditions is met:

(i) One of the four techniques specified in 40 CFR Sec. 63.744 (c)(1) through (c)(4) is used;

(ii) The technique selected is operated according to the procedures specified in 40 CFR Sec. 63.744 (c)(1) through (c)(4) as appropriate; and

(iii) If an enclosed system is used, monthly visual inspections are conducted and any leak detected is repaired within 15 days after detection. If the leak is not repaired by the 15th day after detection, the solvent shall be removed and the enclosed cleaner shall be shut down until the cleaner is repaired or its use is permanently discontinued.

(3) Flush cleaning. An affected flush cleaning operation shall be considered in compliance if the operating requirements specified in 40 CFR Sec. 63.744(d) are implemented and carried out.

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

SECTION D. Source Level Requirements

Source ID: 218 Source Name: MISC COLD DEGREASERS

Source Capacity/Throughput:

PROC 218 → STAC Z88

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91 - 129.95]

The total Volatile Organic Compounds (VOCs) emissions of these degreasers shall not exceed 4.5 tons per year on a twelve (12) month rolling basis.

 # 002 [25 Pa. Code §129.63]

Degreasing operations

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

(b) The requirements of paragraph (a) does not apply:

(i) To cold cleaning machines used in extreme cleaning service.

(ii) If the owner or operator of the cold cleaning machine demonstrates, and the Department approves in writing, that compliance with paragraph (4) will result in unsafe operating conditions.

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

(c) The permittee shall comply with the requirements of paragraph (a) after December 22, 2002.

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.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code 127.511]

(a) The permittee shall monitor the amount of cleaning solvent used, monthly.

(b) The permittee shall calculate the VOC emissions monthly, and on a twelve (12) month rolling basis.

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code 127.512]

SECTION D. Source Level Requirements

The permittee shall keep records of the calculations of the VOC emissions.

 # 005 [25 Pa. Code §129.63]

Degreasing operations

The permittee shall maintain records for at least 2 years and shall provide to the Department, on request, the information specified below. 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.

(i) The name and address of the solvent supplier.

(ii) The type of solvent including the product or vendor identification number.

(iii) The vapor pressure of the solvent measured in mm Hg at 20°C (68°F).

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 006 [25 Pa. Code §129.63]

Degreasing operations

[Additional authority for this permit condition is also derived from
25 Pa. Code 127.512]
The permittee shall comply with the following:

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

(2) Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:

(i) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (3). In addition, the label shall include the following discretionary good operating practices:

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

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

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

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

(3) Cold cleaning machines shall be operated in accordance with the following procedures:

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

(ii) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning

SECTION D. Source Level Requirements

machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.

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

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

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

VII. ADDITIONAL REQUIREMENTS.

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) This source 218, Misc. Cold Degreasers, consists of cold cleaning machines that use 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

Source 218 includes, but is not limited, to the following devices:

Bldg 3-05 Asset #101967 parts cleaner, permitted under RFD 7181

Bldg 3-31 BCC A0432 parts cleaner
BCC 15879 parts cleaner
Bldg 3-12 BCC 4434 parts cleaner
BCC 4435 parts cleaner
BCC 33076 parts cleaner
BCC 11-124865 parts cleaner, permitted under RFD 5711
Asset#106316 parts cleaner, permitted under RFD 8704
Bldg 3-29 BCC A1986 parts cleaner
Bldg 3-45 BCC A4450 parts cleaner
Bldg 3-57 Asset #101965 parts cleaner, permitted under RFD 7685
Bldg 3-62 Asset #101966 parts cleaner, permitted under RFD 7109

Bldg 3-31 BCC 32758 is currently used as a preservative oil soak tank to impart corrosion protection and is not subject to the requirements of this Section while in this mode of operation.

(b) This source is not subject to 40 CFR Part 63 for halogenated solvent cleaners.

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

SECTION D. Source Level Requirements

Source ID: 228 Source Name: FREKOTE EXHAUST BOOTH # 1 (BLDG 3-07)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: AEROSPACE PAINT BOOTHS GR.2

PROC 228 → STAC S43

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 this source at any time, in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512]

The Volatile Organic Compounds (VOC) emissions from the frekote exhaust booth shall not exceed 16 tons per year on a twelve (12) month rolling basis.

 # 003 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

(a) The permittee shall not apply to aerospace vehicles or components, aerospace specialty coatings, primers, topcoats and chemical milling maskants including VOC-containing materials added to the original coating supplied by the manufacturer, that contain VOCs in excess of the limits specified in Table II of 25 Pa. Code 129.73.

(i) Aerospace coatings that meet the definitions of the specific coatings in Table II shall meet those allowable coating VOC limits.

(ii) All other aerospace primers, aerospace topcoats and chemical milling maskants are subject to the general coating VOC limits for aerospace primers, aerospace topcoats and aerospace chemical milling maskants, pursuant to 25 Pa. Code 129.73, Table II.

(b) The allowable VOC coating limits in paragraph (a), pursuant to 25 Pa. Code 129.73, Table II, do not apply to cleaning and coating of aerospace components and vehicles in the following circumstances:

(i) The use of touchup, aerosol and Department of Defense "classified" coatings.

(ii) The coating of space vehicles.

(iii) At facilities that use separate formulations in volumes less than 50 gallons per year to a maximum exemption of 200 gallons per year of all the coatings in aggregate for these formulations.

II. TESTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

III. MONITORING REQUIREMENTS.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511]

The permittee shall calculate the VOC emissions, monthly.

IV. RECORDKEEPING REQUIREMENTS.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511]

The permittee shall keep records of the VOC emission calculations, monthly.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.52]

The permittee shall keep daily records of the following:

(a) The following parameters for each coating and other component as supplied

(1) name and identification number

(2) volume used

(3) mix ratio

(4) density or specific gravity

(b) VOC content of each coating and other components, as supplied

(c) VOC content of each coating, as applied

(d) A current list of coatings in use categorized in accordance with Table II of 25 Pa. Code § 129.73.

(e) The permittee shall comply with the condition using the approved alternate monitoring method in the Miscellaneous Section, Section H, of this permit.

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.

 # 007 [25 Pa. Code §129.73]
Aerospace manufacturing and rework.

25 Pa. Code 129.73 does not apply to this source where cleaning and coating of aerospace components and vehicles as follows:

SECTION D. Source Level Requirements

(i) At any source conducting research and development for the research and development activities.

(ii) For quality control and laboratory testing.

(iii) For production of electronic parts and assemblies (except for cleaning and coating of completed assemblies).

(iv) For rework operations performed on antique aerospace vehicles or components.

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.741]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Applicability and designation of affected sources.

The touch-up and repair conducted are subject to 40 CFR Part 63 Subpart GG, Aerospace NESHAPs, however, this subpart does not regulate research and development or quality control pursuant to 40 CFR 63.741(f).

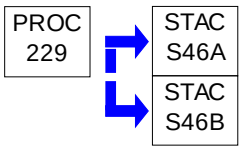
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 229 Source Name: FREKOTE EXHAUST BOOTH #2 (BLDG 3-07)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: AEROSPACE PAINT BOOTHS GR.2



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Volatile Organic Compounds (VOC) emissions from Frekote Exhaust Booth #2 shall not exceed 0.83 tons per year on a twelve (12) month rolling basis.

(b) There shall be no emissions of contaminants other than VOCs from this source.

 # 002 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

The permittee shall not apply to aerospace vehicles or components, aerospace specialty coatings, primers, topcoats and chemical milling maskants including VOC-containing materials added to the original coating supplied by the manufacturer that contain VOCs in excess of the limits specified in Table II of 25 Pa. Code 129.73.

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 §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code 127.511]

The permittee shall calculate the VOC emissions, monthly.

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.52]

The permittee shall keep daily records of the following:

(a) The following parameters for each coating as supplied

(1) name and identification number

(2) volume used

(3) mix ratio

SECTION D. Source Level Requirements

(4) density or specific gravity

(b) VOC content of each coating, as supplied

(c) VOC content of each coating, as applied

(d) A current list of coatings in use categorized in accordance with Table II of 25 Pa. Code § 129.73.

(e) The permittee shall comply with the condition by using the approved alternate monitoring method in the Miscellaneous Section, Section H, of this permit.

V. REPORTING REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the VOC emission calculations, monthly.

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.

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This booth shall be a vapor booth only for the application of Frekote mold release materials on aircraft parts. Approximate dimensions are 300 in. long (with extension to 400 in.) x 258 in. wide x 110 in. high. Exhaust flow of 20,000 cfm discharges through two stacks (Source ID S46A and S46B).

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

SECTION D. Source Level Requirements

Source ID: 231 Source Name: MISC MINOR PAINT BOOTHS (BLDG 3-25, BLDG 3-31)

Source Capacity/Throughput:

PROC 231 → STAC S42

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.

[Additional authority for this permit condition is from 25 Pa. Code Sections 129.111 - 129.115.]

The permittee shall keep records to demonstrate that the potential to emit from this source is less than 2.7 tons/year VOC.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 25 Pa. Code Sections 129.111 - 129.115.]

Pursuant to 25 Pa. Code Sections 129.97(c) and (c)(2),
the owner and operator of this source shall install, maintain and operate this source in accordance with the manufacturer's specifications and with good operating practices, which is the presumptive RACT.

VII. ADDITIONAL REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) This source consists of
(1) Spray Booth BCC #035579, Research & Development (Bldg 3-25 APS)

(2) Spray Booth BCC # 017461, Research & Development (Bldg 3-31 R&D/Quality)

(b) The above named booths shall only be used for Research and Development activities and are exempt from the requirements of 25 Pa. Code 129.73.

SECTION D. Source Level Requirements

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.741]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Applicability and designation of affected sources.

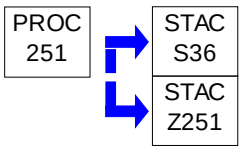
The Source ID 231 booths shall only be used for Research and Development activities and are exempt from the requirements of Aerospace NESHAP pursuant to 40 CFR 63.741(f).

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

SECTION D. Source Level Requirements

Source ID: 251 Source Name: COMPOSITE MANUFACTURING (BLDG 3-07)

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 129.91 - 129.95 and 129.99]

(1) The Volatile Organic Compounds (VOCs) emissions from the Composite Manufacturing, excluding the adhesives, sealants, and speciality coatings, shall not exceed 8.5 tons per year on a twelve (12) month rolling basis.

(2) The VOC content, as applied, in the composite processing materials listed below shall not exceed the allowable limits.

(a) Prepregs .....0.65 lb VOC/gal...78 g VOC/l

(b) Tooling Fill & Fairing.....3.50 lb VOC/gal...420 g VOC/l

(c) Tooling Resin & Hardeners..... 1.0 lb VOC/gal....120 g VOC/l

(d) Core Stabilizing & Tacking Resin..5.70 lb VOC/gal...684 g VOC/l

(e) Engineering Foams.....2.50 lb VOC/gal .....300 g VOC/l

 # 002 [25 Pa. Code §129.99]

Alternative RACT proposal and petition for alternative compliance schedule.

The Composite Manufacturing process to make aircraft parts, with the limitations in VOC content and emissions as given in Condition #001 comprises Reasonably Available Control Technology, pursuant to 25 Pa. Code Sections 129.96 - 129.100. Composite Manufacturing utilizes the control option of Process Design and Material Selection, as described in the proposal submitted to the Department on October 20, 2016.

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.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.512, 129.91 - 129.95 and 129.99.]

The permittee shall monitor the following:

(a) the amount of composite material used, monthly

(b) the VOC content as applied

SECTION D. Source Level Requirements

The permittee shall calculate the VOC emissions monthly, and on a twelve (12) month rolling summation.

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.512, 129.91 - 129.95 and 129.99.]

The permittee shall keep records of the following:

(a) the amount of composite material used, monthly

(b) the VOC content as applied

(c) the calculations of the VOC emissions monthly, and on a twelve (12) month rolling summation.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is from 25 Pa. Code Section 129.99.]

The Source 251, Composite Manufacturing, consists of the following categories of materials:

Prepregs
Tooling Fill and Fairing
Tooling Resin and Hardeners
Core Stabilizing and Tacking Resins
Engineering Foams

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.512, 129.91 - 129.95 and 129.99]

The permittee shall operate and maintain all the equipment and materials associated with Composite Manufacturing in a manner consistent with good operating and maintenance (O&M) practices.

The practices shall include, but not be limited to the following:

(a) good houskeeping procedures for storage, use, and disposal of composite material
(b) employee training detailing good work practices
(c) periodic inspection of production activities

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).

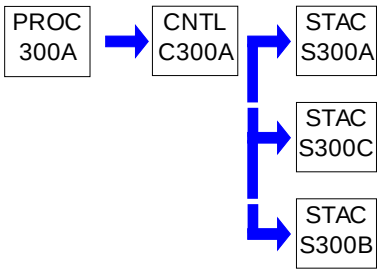
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 300A Source Name: BLDG 3-80 BAY 3 SPRAY BOOTH

Source Capacity/Throughput:

Conditions for this source occur in the following groups: AEROSPACE PAINT BOOTHS
BLDG 3-80 BAY 2, 3 AND 4 SPRAY BOOTHS



I. RESTRICTIONS.

Control Device Efficiency Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The pressure drop across the C300A filter banks shall be maintained in the range up to 1 in. H2O greater than the pressure drop at the installation of a fresh filter. In addition, the pressure drop across the filter banks shall be within the range of 0.20 to 2.00 in H2O.

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.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

SECTION D. Source Level Requirements

This source consists of an Aerospace Paint Spray Booth, constructed in compliance with the requirements of 40 CFR Section 63.745(g)(1), and equipped with a dry filter system, that meets or exceeds the efficiency data points of Tables 4 and 5 in 40 CFR Section 63.745 (g)(2)(ii)(A) for the three stage arrestor. This source is located in Bldg 3-80, Bay 3.

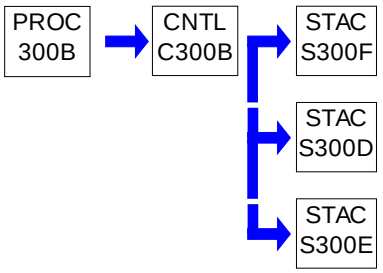
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 300B Source Name: BLDG 3-80 BAY 4 SPRAY BOOTH

Source Capacity/Throughput:

Conditions for this source occur in the following groups: AEROSPACE PAINT BOOTHS
BLDG 3-80 BAY 2, 3 AND 4 SPRAY BOOTHS



I. RESTRICTIONS.

Control Device Efficiency Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The pressure drop across the C300B filter banks shall be maintained in the range up to 1 in. H2O greater than the pressure drop at the installation of a fresh filter. In addition, the pressure drop across the filter banks shall be within the range of 0.20 to 2.00 in H2O.

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.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

SECTION D. Source Level Requirements

This source consists of an Aerospace Paint Spray Booth, constructed in compliance with the requirements of 40 CFR Section 63.745(g)(1), and equipped with a dry filter system, that meets or exceeds the efficiency data points of Tables 4 and 5 in 40 CFR Section 63.745 (g)(2)(ii)(A) for the three stage arrestor. This source is located in Bldg 3-80, Bay 4.

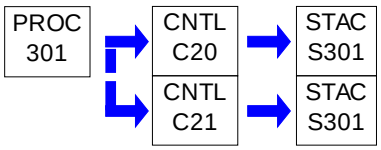
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 301 Source Name: BLDG 4-04 DETAIL PAINT BOOTHS (2)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: AEROSPACE PAINT BOOTHS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following emissions limits apply to the combination of paint booths in Bldg 3-57 and Bldg 4-04, Source IDs 311B and 301:

(a) The particulate matter emissions (PM, PM10, and PM2.5), including cleaning, stripping and application of conversion coatings, shall not exceed 0.036 tons per year as a twelve (12) month rolling sum.

(b) The Volatile Organic Compound (VOC) emissions, including cleaning, stripping and application of conversion coatings, shall not exceed 6.73 tons per year as a twelve (12) month rolling sum.

(c) The Hazardous Air Pollutants (HAPs) emissions, including cleaning, stripping and application of conversion coatings, shall not be exceeded as follows:

(1) Organic HAPs: 1.86 tons per year as a twelve (12) month rolling sum.

(2) Inorganic HAPs: 0.0054 tons per year as a twelve (12) month rolling sum.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

No person may permit the emission into the outdoor atmosphere of particulate matter from any of the dry filter systems controlling its respective paint booth Source IDs 311B or 301 at any time, in excess of 0.02 grains per dry standard cubic foot.

[This condition reflects Best Available Technology for the source and assures compliance with 25 Pa. Code Section 123.13(c)(1)(i).]

Control Device Efficiency Restriction(s).

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The three stage or 3-stage equivalent dry filter system shall be installed and operated in a manner that meets or exceeds the particulate matter removal efficiency data points in Tables 4 and 5 of 40 CFR Section 63.745g(2)(ii)(A).

(b) The pressure drop across the filter banks shall be maintained in the range up to 1 in. H2O greater than the pressure drop at the installation of a fresh filter. In addition, the pressure drop across the filter banks shall be within the range of 0.20 to 2.00 in H2O.

II. TESTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

III. MONITORING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The owner/operator shall monitor daily:

(1) The amount inks/coatings used

(2) The HAP and VOC content of the inks/coatings, as applied

(b) The owner/operator shall calculate the PM, PM10, PM2.5, VOC, Inorganic and Organic HAPs emissions monthly and as a 12 month rolling sum.

Calculations shall be performed as presented in the Plan Approval application. VOC, organic HAP, inorganic HAP and PM PM10, PM2.5 emissions shall be calculated for each coating from the coating usage and the VOC, organic HAP, inorganic HAP or solids content solids content. The emissions from each coating shall be summed for all the coatings used in the time period. VOC, organic HAP, inorganic HAP and solids content for each coating shall be determined from Safety Data Sheets, Product data sheets or manufacturer's information obtained from the coating manufacturer. Filter efficiency, obtained from the manufacturer, and an HVLP spray gun efficiency of 60% shall be used in calculating particulate matter emissions.

IV. RECORDKEEPING REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this plan approval condition is also derived from 25 Pa. Code § 129.52]

The owner/operator shall keep daily records of the following:

(a) The following parameters for each coating and other components as supplied

(1) name and identification number
(2) volume used
(3) mix ratio
(4) density or specific gravity

(b) VOC content of each coating and other components, as supplied

(c) VOC content of each coating, as applied

(d) A current list of coatings in use categorized in accordance with Table II of 25 Pa. Code § 129.73.

(e) The permittee shall comply with the condition using the approved alternate monitoring method in the Miscellaneous Section, Section H, of this Operating Permit.

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The owner/operator shall record daily and compile monthly:

(1) The amount inks/coatings used

(2) The HAP and VOC content of the inks/coatings, as applied

(b) The owner/operator shall keep records of the calculation, monthly, and 12 -month rolling sum of the PM, PM10, and PM2.5, VOC, Inorganic and Organic HAPs emissions.

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.

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Source 301, Bldg. 4-04 Spray Booths, consists of:

Source 208 .....Spray Booth #2 4-04 (formerly #4 3-B3)

Source 209 .....Spray Booth #1 4-04 (formerly #5 3-B3)

Source 212 .....Drying Ovens (1)

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall not undertake a physical change or a change in the method of operation in any one, or any combination, of the three paint booths in Source IDs 311B and 301, without first obtaining written Department approval.

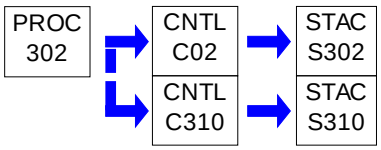
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 302 Source Name: BLDG 3-12 SPRAY BOOTHS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: AEROSPACE PAINT BOOTHS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Particulate Matter (PM10/PM2.5) emissions, from this source shall not exceed 0.19 pounds per hour and 0.031 tons per year on a twelve (12) month rolling sum basis.

(b) The Volatile Organic Compound (VOC) emissions, from this source shall not exceed 13.1 pounds per hour and 3.6 tons per year on a twelve (12) month rolling sum basis.

(c) The Hazardous Air Pollutants (HAP) emissions, from this source shall not exceed the following:

(1) Organic HAPs: 13.1 pounds per hour and 1.6 tons per year on a twelve (12) month rolling sum basis.

(2) Inorganic HAPs: 0.13 pounds per hour and 0.017 tons per year on a twelve (12) month rolling sum basis.

[The emissions restrictions above apply to the combination of two paint booths Booth #1 (BCC #35581) and Booth #3 (BCC #42179) comprising Source ID 302].

[The permittee may demonstrate compliance with the VOC and HAPs hourly limits through emission calculations based on maximum hourly application rate and maximum VOC content or HAP content of coating to satisfy the VOC and HAPs recordkeeping requirement for this condition].

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

No person may permit the emission into the outdoor atmosphere of particulate matter from either of the filter systems controlling its respective paint booth #1 (BCC # 35581) or #3 (BCC # 42179) at any time, in excess of 0.02 grains per dry standard cubic foot.

[This condition reflects Best Availability Technology for the source].

Control Device Efficiency Restriction(s).

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The following applies to Booth #3 (BCC # 42179):

The pressure drop across the C02 filter banks shall be maintained in the range specified by the manufacturer that is up to 1 in. H2O greater than the pressure drop at the installation of a fresh filter. In addition, the pressure drop across the filter banks shall be within the range of 0.20 to 2.00 in. H2O.

(b) The following applies to Booth #1 (BCC # 35581):

The pressure drop across the C310 filter banks shall be maintained in the range specified by the manufacturer, that is up to 1 in. H2O greater than the pressure drop at the installation of a fresh filter.

SECTION D. Source Level Requirements

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor daily:

(1) The amount of coatings used

(2) The HAP and VOC content of the coatings, as applied

(b) The permittee shall calculate the PM10/PM2.5, VOC and HAPs emissions monthly and as a 12 month rolling sum.

IV. RECORDKEEPING REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.52]

The permittee shall keep daily records of the following:

(a) The following parameters for each coating and other components as supplied

(1) name and identification number

(2) volume used

(3) mix ratio

(4) density or specific gravity

(b) VOC content of each coating and other components, as supplied

(c) VOC content of each coating, as applied

(d) A current list of coatings in use categorized in accordance with Table II of 25 Pa. Code § 129.73.

(e) The permittee shall comply with the condition using the approved alternate monitoring method in the Miscellaneous Section, Section H, of this permit.

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall record daily and compile monthly:

(1) The amount of coatings used

(2) The HAP and VOC content of the coatings, as applied

(b) The permittee shall keep records of the calculation, monthly, and 12 month rolling sum of the PM10/PM2.5, VOC and HAPs emissions.

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.

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Source 302, Bldg 3-12 Spray Booths consists of:

(a) Booth #1 Source 162.....Spray Booth BCC #35581
Exhaust flow from Booth #1 is treated by a 2-stage, 3-stage, or 3-stage equivalent filter (designated C02) and then discharges through two stacks (designated Source ID S302), each carrying 14,200 cfm at 70 F.

(b) Booth #3 ... Spray Booth BCC #42179
Exhaust flow from Booth #3 is treated by a 3-stage or 3-stage equivalent filter (designated C310) and then discharges through two stacks (designated Source ID S310) each carrying 11,250 cfm at 70 F.

(c) Each booth has a separately ducted drying oven associated with it.

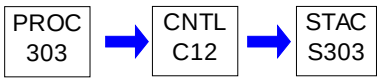
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 303 Source Name: TWO (2) SPRAY BOOTHS (BLDG 3-73)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: AEROSPACE PAINT BOOTHS



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 this source at any time, in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.52]

The permittee shall keep daily records of the following:

(a) The following parameters for each coating and other component as supplied

(1) name and identification number

(2) volume used

(3) mix ratio

(4) density or specific gravity

(b) VOC content of each coating and other components, as supplied

(c) VOC content of each coating, as applied

(d) A current list of coatings in use categorized in accordance with Table II of 25 Pa. Code § 129.73.

(e) The permittee shall comply with the condition using the approved alternate monitoring method in the Miscellaneous Section, Section H, of this permit.

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.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Source 303, Two (2) Spray Booths, consists of

Source 170 .....Paint Bay BCC #15820 & 15821 Bldg 3-73

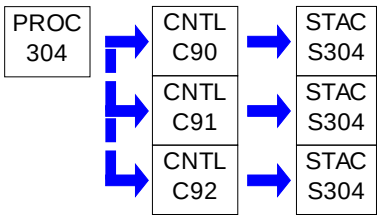
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 304 Source Name: BLDG 3-07 SPRAY BOOTHS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: AEROSPACE PAINT BOOTHS



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 this source at any time, in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.52]

The permittee shall keep daily records of the following:

(a) The following parameters for each coating and other component as supplied

(1) name and identification number

(2) volume used

(3) mix ratio

(4) density or specific gravity

(b) VOC content of each coating and other components, as supplied

(c) VOC content of each coating, as applied

(d) A current list of coatings in use categorized in accordance with Table II of 25 Pa. Code § 129.73.

(e) The permittee shall comply with the condition using the approved alternate monitoring method in the Miscellaneous

SECTION D. Source Level Requirements

Section, Section H, of this permit.

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.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Source 304, Bldg 3-07 Spray Booths, consists of

Source 224 .....Blade Spray Booth & Oven

Source 225 .....Detail Spray Booth & Oven

Source 226 .....Primer Booth and Oven (BCC#95148)

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

SECTION D. Source Level Requirements

Source ID: 305 Source Name: FUGITIVE SPECIALTY COATING OPERATIONS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: AEROSPACE PAINT BOOTHS GR.2

PROC 305 → STAC Z35

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

(a) The permittee shall not apply to aerospace vehicles or components, aerospace specialty coatings, primers, topcoats and chemical milling maskants including VOC-containing materials added to the original coating supplied by the manufacturer, that contain VOCs in excess of the limits specified in Table II of 25 Pa. Code 129.73.

(i) Aerospace coatings that meet the definitions of the specific coatings in Table II shall meet those allowable coating VOC limits.

(ii) All other aerospace primers, aerospace topcoats and chemical milling maskants are subject to the general coating VOC limits for aerospace primers, aerospace topcoats and aerospace chemical milling maskants, pursuant to 25 Pa. Code 129.73, Table II.

(b) The allowable VOC coating limits in paragraph (a), pursuant to 25 Pa. Code 129.73, Table II, do not apply to cleaning and coating of aerospace components and vehicles in the following circumstances:

(i) The use of touchup, aerosol and Department of Defense "classified" coatings.

(ii) The coating of space vehicles.

(iii) At facilities that use separate formulations in volumes less than 50 gallons per year to a maximum exemption of 200 gallons per year of all the coatings in aggregate for these formulations.

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.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.52]

The permittee shall keep daily records of the following:

(a) The following parameters for each coatings and other component as supplied

(1) name and identification number

(2) volume used

(3) mix ratio

(4) density of specific gravity

(b) VOC content of each coating and other components, as supplied

(c) VOC content of each coating, as applied

(d) The permittee shall comply with the condition using the approved alternate monitoring method in Section H of this permit.

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 §129.73]

Aerospace manufacturing and rework.

[Additional authority for thsi permit condition is also derived from 25 Pa. Code 127.512]

(a) The permittee shall use one or more of the following application techniques in applying primer or topcoat to aerospace vehicles or components:

(i) Flow/curtain coat.

(ii) Dip coat.

(iii) Roll coating.

(iv) Brush coating.

(v) Cotton-tipped swab application.

(vi) Electrodeposition (DIP) coating.

(vii) High volume low pressure (HVLP) spraying.

(viii) Electrostatic spray.

(b) The following situations are exempt from application equipment requirements listed in paragraph (a):

(i) Any situation that normally requires the use of an airbrush or an extension on the spray gun to properly apply coatings to limited access spaces.

(ii) The application of specialty coatings.

(iii) The application of coatings that contain fillers that adversely affect atomization with HVLP spray guns and that the applicant has demonstrated and the Department has determined cannot be applied by any of the application methods specified in Paragraph (5).

(iv) The application of coatings that normally have a dried film thickness of less than 0.0013 centimeter (0.0005 in.) when

SECTION D. Source Level Requirements

the applicant has demonstrated and the Department has determined cannot be applied by any of the application methods specified in Paragraph (5).

(v) The use of airbrush application methods for stenciling, lettering and other identification markings.

(vi) The use of hand-held spray can application methods.

(vii) Touch-up and repair operations.

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

A 84kW electric curing oven, approved under RFD 871, is associated with this source.

 # 005 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

[Additional authority for this permit condition is derived from 25 Pa. Code 127.441]

(a) The Source 305, Fugitive Specialty Coating Operations consists of specialty coating applications that occur throughout the facility in assembly areas, composite lay-up, and other operations where fugitive VOC emissions are generated.

(b) The source does not include specialty coating operation associated with paint booth operations.

(c) 25 Pa. Code 129.73 does not apply to this source where cleaning and coating of aerospace components and vehicles as follows:

(i) At any source conducting research and development for the research and development activities.

(ii) For quality control and laboratory testing.

(iii) For production of electronic parts and assemblies (except for cleaning and coating of completed assemblies).

(iv) For rework operations performed on antique aerospace vehicles or components.

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

SECTION D. Source Level Requirements

Source ID: 307 Source Name: TOOLING PRIMERS & TOPCOATS

Source Capacity/Throughput:

PROC 307 → STAC Z32

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

[Additional authority for this permit condition is also derived from 25 Pa. Code 127.512]

(a) The VOC content of the primers used for tooling associated with aircraft manufacturing shall not exceed 350 grams/liter (2.9 pounds/gallon), pursuant to 25 Pa. Code 129.73, Table II.

(b) The VOC content of the topcoats used for tooling associated with aircraft manufacturing shall not exceed 420 grams/liter (3.5 pounds/gallon), pursuant to 25 Pa. Code 129.73, Table II.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the VOC content of the primers and the topcoats used for tooling as applied.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.52]

The permittee shall keep daily records of the following:

(a) The following parameters for each coatings and other component as supplied

(1) name and identification number

(2) volume used

(3) mix ratio

(4) density or specific gravity

(b) VOC content of each coating and other components, as supplied

(c) VOC content of each coating, as applied

(d) The permittee shall comply with the condition using the approved alternate monitoring method in Section H of this permit.

SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall:

(a) minimize spills when handling and transferring the primers and topcoats used for tooling to or from containers, tanks, vats, vessels and piping systems, and

(b) take corrective action when a spill occurs.

VII. ADDITIONAL REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) This Source consists of primers and topcoats used for tooling associated with aircraft manufacturing.

(b) This source does not include adhesives, sealants, or other specialty coatings.

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

SECTION D. Source Level Requirements

Source ID: 308 Source Name: BUILDING 3-25 SPRAY BOOTH

Source Capacity/Throughput:

Conditions for this source occur in the following groups: AEROSPACE PAINT BOOTHS

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Particulate Matter (PM) emissions shall not exceed 0.3 pounds per hour and 0.013 tons per year on a twelve (12) rolling sum.

(b) The Volatile Organic Compound (VOC) emissions shall not exceed 37.1 pounds per hour and 1.3 tons per year on a twelve (12) rolling sum.

(c) The Hazardous Air Pollutants (HAPs) emissions shall not be exceeded as follows:

(1) Organic HAPs: 9.5 pounds per hour and 0.3 tons per year on a twelve (12) month rolling sum.

(2) Inorganic HAPs: 0.06 pounds per hour and 0.001 ton per year on a twelve (12) month rolling sum.

[The permittee may demonstrate compliance with the VOC and HAPs hourly limits through emission calculations based on maximum hourly application rate and maximum VOC content or HAP content of coating to satisfy the VOC and HAPs recordkeeping requirement for this condition].

Control Device Efficiency Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) In addition, the C308 three stage dry filter system shall operate with an overall particulate matter removal efficiency of 99 percent or greater.

(b) The pressure drop across the C308 filter banks shall be maintained in the range of 0.5 inches of water to 1.5 inches of water.

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 §127.441]

Operating permit terms and conditions.

The permittee shall monitor daily:

(a) The amount inks/coatings used

(b) The HAP and VOC content of the inks/coatings, as applied

The permittee shall calculate the PM, VOC and HAPs emissions monthly and 12 month rolling sum.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.52]

The permittee shall keep daily records of the following:

(a) The following parameters for each coatings and other component as supplied

(1) name and identification number

(2) volume used

(3) mix ratio

(4) density or specific gravity

(b) VOC content of each coating and other components, as supplied

(c) VOC content of each coating, as applied

(d) A current list of coatings in use categorized in accordance with Table II of 25 Pa. Code § 129.73.

(e) The permittee shall comply with the condition using the approved alternate monitoring method in the Miscellaneous Section, Section H, of this permit.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall record daily and compile monthly:

(1) The amount inks/coatings used

(2) The HAP and VOC content of the inks/coatings, as applied

(b) The permittee shall keep records of the calculation monthly and 12 month rolling sum of the PM, VOC and HAPs emissions.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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.

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of an Aerospace Paint Spray Booth equipped with three-stage or 3-stage equivalent dry filter system located in Building 3-25. A 180 kW drying oven (RFD 824) is associated with the paint booth.

SECTION D. Source Level Requirements

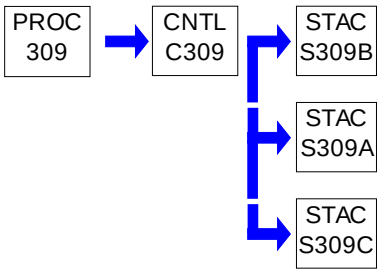
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 309 Source Name: BLDG 3-80 BAY 2 SPRAY BOOTH

Source Capacity/Throughput:

Conditions for this source occur in the following groups: AEROSPACE PAINT BOOTHS
BLDG 3-80 BAY 2, 3 AND 4 SPRAY BOOTHS



I. RESTRICTIONS.

Control Device Efficiency Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The pressure drop across the C309 filter banks shall be maintained in the range up to 1 in. H2O greater than the pressure drop at the installation of a fresh filter. In addition, the pressure drop across the filter banks shall be within the range of 0.20 to 2.00 in H2O.

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.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

SECTION D. Source Level Requirements

This source consists of an Aerospace Paint Spray Booth, constructed in compliance with the requirements of 40 CFR Section 63.745(g)(1), and equipped with a dry filter system, that meets or exceeds the efficiency data points of Tables 4 and 5 in 40 CFR Section 63.745 (g)(2)(ii)(A) for the three stage arrestor. This source is located in Bldg 3-80, Bay 2.

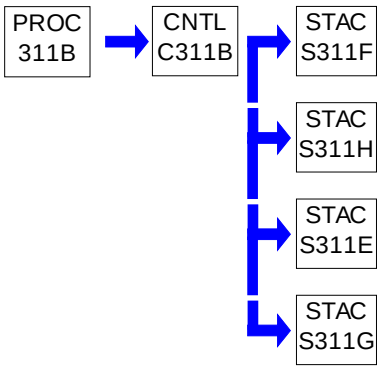
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 311B Source Name: BLDG 3-57 V-22 SECTIONS/ AIRCRAFT PAINT BOOTH

Source Capacity/Throughput:

Conditions for this source occur in the following groups: AEROSPACE PAINT BOOTHS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following emissions limits apply to the combination of paint booths in Bldg 3-57 and Bldg 4-04, Source IDs 311B and 301:

(a) The particulate matter emissions (PM, PM10, and PM2.5), including cleaning, stripping and application of conversion coatings, shall not exceed 0.036 tons per year as a twelve (12) month rolling sum.

(b) The Volatile Organic Compound (VOC) emissions, including cleaning, stripping and application of conversion coatings, shall not exceed 6.73 tons per year as a twelve (12) month rolling sum.

(c) The Hazardous Air Pollutants (HAPs) emissions, including cleaning, stripping and application of conversion coatings, shall not be exceeded as follows:

(1) Organic HAPs: 1.86 tons per year as a twelve (12) month rolling sum.

(2) Inorganic HAPs: 0.0054 tons per year as a twelve (12) month rolling sum.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

No person may permit the emission into the outdoor atmosphere of particulate matter from any of the dry filter systems controlling its respective paint booth Source IDs 311B or 301 at any time, in excess of 0.02 grains per dry standard cubic foot.

[This condition reflects Best Available Technology for the source and assures compliance with 25 Pa. Code Section 123.13(c)(1)(i).]

Control Device Efficiency Restriction(s).

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The three stage or 3-stage equivalent dry filter system shall be installed and operated in a manner that meets or exceeds the particulate matter removal efficiency data points in Tables 4 and 5 of 40 CFR Section 63.745g(2)(ii)(A).

(b) The pressure drop across the filter banks shall be maintained in the range specified by the manufacturer that is up to 1 in. H2O greater than the pressure drop at the installation of a fresh filter. In addition, the pressure drop across the filter

SECTION D. Source Level Requirements

banks shall be within the range of 0.20 to 2.00 in. H2O.

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.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The owner/operator shall monitor daily:

(1) The amount inks/coatings used

(2) The HAP and VOC content of the inks/coatings, as applied

(b) The owner/operator shall calculate the PM, PM10, PM2.5, VOC, Inorganic and Organic HAPs emissions monthly and as a 12 month rolling sum.

Calculations shall be performed as presented in the Plan Approval application. VOC, organic HAP, inorganic HAP and PM PM10, PM2.5 emissions shall be calculated for each coating from the coating usage and the VOC, organic HAP, inorganic HAP or solids content solids content. The emissions from each coating shall be summed for all the coatings used in the time period. VOC, organic HAP, inorganic HAP and solids content for each coating shall be determined from Safety Data Sheets, Product data sheets or manufacturer's information obtained from the coating manufacturer. Filter efficiency, obtained from the manufacturer, and an HVLP spray gun efficiency of 60% shall be used in calculating particulate matter emissions.

IV. RECORDKEEPING REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this plan approval condition is also derived from 25 Pa. Code § 129.52]

The owner/operator shall keep daily records of the following:

(a) The following parameters for each coating and other components as supplied

(1) name and identification number
(2) volume used
(3) mix ratio
(4) density or specific gravity

(b) VOC content of each coating and other components, as supplied

(c) VOC content of each coating, as applied

(d) A current list of coatings in use categorized in accordance with Table II of 25 Pa. Code § 129.73.

(e) The permittee shall comply with the condition using the approved alternate monitoring method in the Miscellaneous Section, Section H, of this Operating Permit.

SECTION D. Source Level Requirements

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The owner/operator shall record daily and compile monthly:

(1) The amount inks/coatings used

(2) The HAP and VOC content of the inks/coatings, as applied

(b) The owner/operator shall keep records of the calculation, monthly, and 12 -month rolling sum of the PM, PM10, and PM2.5, VOC, Inorganic and Organic HAPs emissions.

V. REPORTING REQUIREMENTS.

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.9]

Subpart A--General Provisions

Notification requirements.

As specified in 40 CFR Section 63.9(b)(4), the owner/operator of a new source must submit an Initial Notification not later than 15 days after the actual date of startup of the affected source.

The Initial Notification shall include the following information:

(a) the name and address of the owner or operator;

(b) the address (i.e. physical location) of the affected source;

(c) an identification of the relevant standard for the notice;

(d) a brief description of the nature, size, design and method of operation of the source and an identification of the types of emission points within the affected source subject to the standard and the types of hazardous pollutants emitted; and

(e) a statment of whether the facility is major or an area source.
Note: Boeing submitted the Initial Notification on May 7, 2019.

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.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source shall consist of an Aerospace Paint Spray Booth, constructed in compliance with the requirements of 40 CFR Section 63.745 (g)(1) and equipped with a dry filter system, that meets or exceeds the efficiency data points of Tables 4 and 5 in 40 CFR Section 63.745(g)(2)(ii)(A) for the three stage arrestor. This source shall be located in Bldg 3-57. It shall be used primarily for painting sections and whole aircraft.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

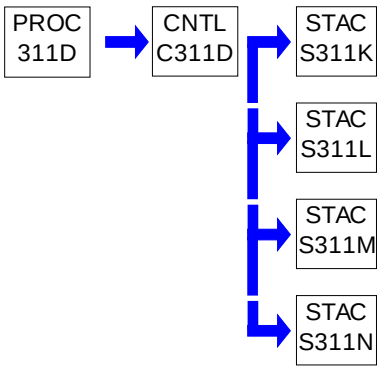
The owner/operator shall not undertake a physical change or a change in the method of operation in any one, or any combination, of the three paint booths in Source IDs 311B and 301, without first obtaining written Department approval.

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

SECTION D. Source Level Requirements

Source ID: 311D Source Name: BLDG 3-57 V-22 WASH & SAND BOOTH

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

No person may permit the emission into the outdoor atmosphere of particulate matter from this source at any time, in excess of 0.02 grains per dry standard cubic foot.

[This condition reflects Best Available Technology for the source and assures compliance with 25 Pa. Code Section 123.13(c)(1)(i).]

Control Device Efficiency Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The pressure drop across the filter banks shall be maintained in the range specified by the manufacturer that is up to 1 in. H2O greater than the pressure drop at the installation of a fresh filter. In addition, the pressure drop across the filter banks shall be within the range of 0.20 to 2.00 in. H2O.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This booth shall be equipped with a dry filter system, that meets or exceeds the efficiency data points of Tables 4 and 5 in 40 CFR Section 63.745(g)(2)(ii)(A) for the three stage arrestor

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 §127.441]

Operating permit terms and conditions.

(a) A pressure gauge shall be installed across the filter banks. It shall be maintained in good working order;

(b) The permittee, during de-painting operations, shall continuously monitor the pressure drop across the system and read and record the pressure drop once per shift.

(c) If the pressure differential is outside the limit(s) (Condition #002), the permittee shall shut down the operation immediately and take corrective action. The operation shall not be resumed until the pressure differential has returned

SECTION D. Source Level Requirements

within the specified limit(s).

IV. RECORDKEEPING REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall keep records of

(a) pressure drop across the filter banks, when in operation, once per shift

Note: The requirements to continuously monitor the pressure drop is satisfied and to record the pressure drop once per shift is deemed complete if 95% of the readings are recorded in any six (6) month period. If the last reading recorded correctly prior to any group of missed readings and the first reading recorded correctly after the same group of missed readings are both below the pressure drop limit, the missed readings are deemed to be below the pressure drop limit.

(b) any periods of shutdown due to exceedance of pressure drop readings the date and duration of occurrence and the corrective action taken.

(c) all required maintenance performed on the dry filter system.

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.

Only depainting operations using hand or mechanical sanding shall be conducted in this booth. Mechanical sanders used in this booth shall be equipped with a HEPA filter of minimum 99% efficiency.

VII. ADDITIONAL REQUIREMENTS.

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source shall consist of an Aerospace Paint Spray Booth to be used for de-painting operations by mechanical or hand sanding. The booth shall be constructed pursuant to the requirements of 40 CFR Section 63.745 (g)(1) and equipped with a dry filter system, that meets or exceeds the efficiency data points of Tables 4 and 5 in 40 CFR Section 63.745(g)(2)(ii)(A) for the three stage arrestor.This source shall be located in Bldg 3-57.

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

SECTION E. Source Group Restrictions.

Group Name: 4-14 BOILERS

Group Description: 4 boilers in Bldg 4-14

Sources included in this group

ID	Name
055	CB - 5 BOILER (BLDG 4-14)
056	CB - 6 BOILER (BLDG 4-14)
057	CB - 7 BOILER (BLDG 4-14)
060	SUP-3 BOILER (BLDG 4-14)

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The combined emissions from all four (4) boilers, Source IDs 055, 056, 057, and 060 shall not exceed the following on a 12-month rolling sum basis.

tons/year
NOx: 13.2
CO: 11.0

Throughput Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The total annual combined heat input to all boilers, Source IDs 055, 056, 057 and 060, shall not exceed 590,060 MMBtu on a 12-month rolling basis.

(b) The total annual combined No. 2 fuel oil usage in all boilers, Source IDs 055, 056, 057 and 060, shall not exceed 425,801 gallons on a 12-month rolling basis.

(c) The total annual combined natural gas usage in all boilers, Source IDs 055, 056, 057, and 060, shall not exceed 590,060,000 standard cubic feet on a 12-month rolling basis.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The owner/operator shall monitor the usage of each fuel for each of the boilers, Source IDs 055, 056, 057 and 060 on a monthly basis.

(b) The owner/operator shall monitor the total usage of of each fuel in the group of boilers comprising Source IDs 055, 056, 057 and 060, on a monthly and on a 12-month rolling basis.

(c) Natural gas shall be monitored in standard cubic feet and No. 2 fuel oil in gallons.

(d) the owner/operator shall calculate the total heat input to the group of boilers, comprising Source IDs 055, 056, 057 and 060 in MMBtu on a monthly and on a 12-month rolling basis.

[Compliance with the monitoring of fuel usage in paragraph (a) of this condition and its recordkeeping satisfies the requirements of 40 CFR Section 60.48c(g)(2).]

SECTION E. Source Group Restrictions.

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall keep records of the fuel usage and heat input monitoring in Condition #002 of this section.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall keep records of the monthly emissions of NOx and CO from each boiler and the 12-month rolling sum of NOx and CO emissions for the group of 4 boilers Source Ids 055, 056, 057 and 060.

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: AEROSPACE PAINT BOOTHS

Group Description: Paint Booths subject to Aerospace NESHAP and 25 Pa. Code 129.73

Sources included in this group

ID	Name
300A	BLDG 3-80 BAY 3 SPRAY BOOTH
300B	BLDG 3-80 BAY 4 SPRAY BOOTH
301	BLDG 4-04 DETAIL PAINT BOOTHS (2)
302	BLDG 3-12 SPRAY BOOTHS
303	TWO (2) SPRAY BOOTHS (BLDG 3-73)
304	BLDG 3-07 SPRAY BOOTHS
308	BUILDING 3-25 SPRAY BOOTH
309	BLDG 3-80 BAY 2 SPRAY BOOTH
311B	BLDG 3-57 V-22 SECTIONS/ AIRCRAFT PAINT BOOTH

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

(a) The permittee shall not apply to aerospace vehicles or components, aerospace specialty coatings, primers, topcoats and chemical milling maskants including VOC-containing materials added to the original coating supplied by the manufacturer, that contain VOCs in excess of the limits specified in Table II of 25 Pa. Code Section 129.73.

(1) Aerospace coatings that meet the definitions of the specific coatings in Table II shall meet those allowable coating VOC limits.

(2) All other aerospace primers, aerospace topcoats and chemical milling maskants are subject to the general coating VOC limits for aerospace primers, aerospace topcoats and aerospace chemical milling maskants, pursuant to 25 Pa. Code Section 129.73, Table II.

(b) The allowable VOC coating limits in paragraph (a), pursuant to 25 Pa. Code Section 129.73, Table II, do not apply to cleaning and coating of aerospace components and vehicles in the following circumstances:

(1) The use of touchup, aerosol and Department of Defense "classified" coatings.

(2) The coating of space vehicles.

(3) At facilities that use separate formulations in volumes less than 50 gallons per year to a maximum exemption of 200 gallons per year of all the coatings in aggregate for these formulations.

 # 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.745]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities
Standards: Primer, topcoat, and specialty coating application operations.

[Additional authority for this plan approval condition is also derived from 40 CFR 63.745 (c) and (e) and 25 Pa. Code 127.441.]

Uncontrolled coatings – organic HAP and VOC levels

(a) The permittee shall comply with the organic HAP and VOC content limits specified in paragraphs (1) through (6) of this condition for those coatings that are uncontrolled.

(1) Organic HAP emissions from primers shall be limited to an organic HAP content level of no more than: 350 g/L (2.9 lb/gal) of primer (less water) as applied or 540 g/L (4.5 lb/gal) of primer (less water and exempt solvents) as applied for general aviation rework facilities.

SECTION E. Source Group Restrictions.

(2) VOC emissions from primers shall be limited to a VOC content level of no more than: 350 g/L (2.9 lb/gal) of primer (less water) as applied or 540 g/L (4.5 lb/gal) of primer (less water and exempt solvents) as applied for general aviation rework facilities.

(3) Organic HAP emissions from topcoats shall be limited to an organic HAP content level of no more than: 420 g/L (3.5 lb/gal) of coating (less water) as applied or 540 g/L (4.5 lb/gal) of coating (less water) as applied for general aviation rework facilities. Organic HAP emissions from self-priming topcoats shall be limited to an organic HAP content level of no more than: 420 g/L (3.5 lb/gal) of self-priming topcoat (less water) as applied or 540 g/L (4.5 lb/gal) of self-priming topcoat (less water) as applied for general aviation rework facilities.

(4) VOC emissions from topcoats shall be limited to a VOC content level of no more than: 420 g/L (3.5 lb/gal) of coating (less water and exempt solvents) as applied or 540 g/L (4.5 lb/gal) of coating (less water and exempt solvents) as applied for general aviation rework facilities. VOC emissions from self-priming topcoats shall be limited to a VOC content level of no more than: 420 g/L (3.5 lb/gal) of self-priming topcoat (less water and exempt solvents) as applied or 540 g/L (4.5 lb/gal) of selfpriming topcoat (less water) as applied for general aviation rework facilities.

(5) Organic HAP emissions from specialty coatings shall be limited to an organic HAP content level of no more than the HAP content limit specified in Table 1 of 40 CFR Section 63.745 for each applicable specialty coating type.

(6) VOC emissions from specialty coatings shall be limited to a VOC content level of no more than the VOC content limit specified in Table 1 of 40 CFR Section 63.745 for each applicable specialty coating type.

(b) Compliance with the organic HAP and VOC content limits specified in paragraphs (a)(1) through (6) above shall be accomplished by using primers, topcoats (including self-priming topcoats) and specialty coatings with HAP and VOC content levels equal to or less than the limits specified in paragraphs (a)(1) through (6).

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.745]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities
Standards: Primer, topcoat, and specialty coating application operations.

[Additional authority for this permit condition is also derived from 40 CFR 63.745(g) and 25 Pa. Code 127.441.]

Inorganic HAP emissions.

Except as provided in paragraph (c) of this condition, the permittee shall comply with the applicable requirements in paragraphs (a) and (b).

(a) Apply primers, topcoats and specialty coatings in a booth, hangar, or portable enclosure in which air flow is directed downward onto or across the part or assembly being coated and exhausted through one or more outlets, pursuant to 40 CFR Section 63.745(g)(1).

(b) Control the air stream from this operation before exhausting it to the atmosphere, by passing the air stream through a dry particulate filter system certified using the methods described in 40 CFR Section 63.750(o) to meet or exceed the efficiency data points in Tables 2 and 3 or 4 and 5 of 40 CFR Section 63.745(g)(2)(ii)(A) for existing or new sources, respectively.

(c) The requirements of paragraphs (a) and (b) do not apply to the following:

(1) Touch-up of scratched surfaces or damaged paint;

(2) Hole daubing for fasteners;

SECTION E. Source Group Restrictions.

(3) Touch-up of trimmed edges;

(4) Coating prior to joining dissimilar metal components;

(5) Stencil operations performed by brush or air brush;

(6) Section joining;

(7) Touch-up of bushings and other similar parts;

(8) Sealant detackifying;

(9) Spray application of primers, topcoats, and specialty coatings in an area identified in a title V permit, where the permitting authority has determined that it is not technically feasible to spray apply coatings to the parts in a booth;

(10) The use of hand-held non-refillable aerosol containers; and

(11) The spray application of no more than 3.0 fluid ounces of coating in a single application (i.e., the total volume of a single coating formulation applied during any one day to any one aerospace vehicle or component) from a hand-held device with a paint cup capacity that is equal to or less than 3.0 fluid ounces (89 cubic centimeters). Using multiple small paint cups or refilling a small paint cup to apply more than 3.0 fluid ounces under the requirements of this paragraph is prohibited. If a paint cup liner is used in a reusable holder or cup, then the holder or cup must be designed to hold a liner with a capacity of no more than 3.0 fluid ounces. For example, under the requirements of this paragraph, a 3.0 ounce liner cannot be used in a holder that can also be used with a 6.0 ounce liner.

(12) Coating operations where the part is too large to be moved to a booth.

(13) Coating operations where the coatings are not spray applied.

(14) Coating operations where the part would need to be removed from a fixture/tool to be painted in a booth.

(15) Coating operations where the cycle time restrictions prior to subsequent operations make it time prohibitive to move the part to a paint booth.

(16) Painting of joint areas, sealant areas, or small standard parts including but not limited to bushings, fasteners, nuts, shims, and spacers that is incidental to the application of the coating and is required to achieve complete coverage.

(17) Other operations where engineering analysis recommends the part be painted outside of a booth.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The following Source IDs shall install and operate a three stage or 3-stage equivalent dry filter system in a manner that meets or exceeds the particulate matter removal efficiency data points in Tables 4 and 5 of 40 CFR Section 63.745(g)(2)(ii)(A):

a. Source ID 300A
b. Source ID 300B
c. Source ID 302, Booth #3 (BCC#42179)
d. Source ID 304, 3-07 Primer Booth (RFD # 6638, BCC#95148)
e. Source ID 308
f. Source ID 309
g. Source ID 311B

(b) The following Source IDs shall install and operate a dry filter system in a manner that meets or exceeds the particulate

SECTION E. Source Group Restrictions.

matter removal efficiency data points in Tables 2 and 3 of 40 CFR Section 63.745(g)(2)(i)(A). The permittee may use a 3-stage or 3-stage equivalent dry filter system, as described in Tables 4 and 5 of 40 CFR Section 63.745(g)(2)(ii)(A) to comply with the above requirement.

a. Source ID 301
b. Source ID 302, Booth #1 (BCC #35581)
c. Source ID 303
d. Source ID 304, Blade Spray Booth and Detail Spray Booth

II. TESTING REQUIREMENTS.

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.750]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Test methods and procedures.

[Additional authority for this permit condition is also derived from 40 CFR 63.750(c) and (e).]

(a) VOC content level determination – compliant primers, topcoats and specialty coatings.

For those uncontrolled primers, topcoats, and specialty coatings complying with the primer, topcoat, and specialty coating VOC content levels specified in 40 CFR Section 63.745(c) without being averaged, the following procedures shall be used to determine the mass of VOC emitted per volume of coating (less water and exempt solvents) as applied.
As an alternative to the procedures below, the permittee may use coating manufacturer's supplied data to demonstrate that VOC emitted per volume of coating (less water and exempt solvents), as applied, is less than or equal to the applicable VOC limit specified in 40 CFR Section 63.745(c).

(1) For coatings that contain no exempt solvents, determine the VOC content using manufacturer's supplied data or Method 24 of 40 CFR part 60, appendix A, to determine the VOC content. The VOC content shall be used as a surrogate for total HAP content for coatings that contain no exempt solvent. If there is a discrepancy between the manufacturer's formulation data and the results of the Method 24 analysis, compliance shall be based on the results from the Method 24 analysis. When Method 24 is used to determine the VOC content of water-reducible coatings, the precision adjustment factors in Reference Method 24 shall be used. If the adjusted analytical VOC content is less than the formulation solvent content, then the analytical VOC content should be set equal to the formulation solvent content.

(2) For each coating as applied, calculate the mass of VOC emitted per volume of coating (lb/gal) (less water and exempt solvents) as applied using equations 5, 6, and 7 of 40 CFR 63.750(e).

(b) Organic HAP content level determination – compliant primers, topcoats and specialty coatings. For those uncontrolled primers, topcoats, and specialty coatings complying with the primer, topcoat and specialty coating organic HAP content limits specified in 40 CFR Section 63.745(c) without being averaged, the following procedures shall be used to determine the mass of organic HAP emitted per volume of coating (less water) as applied.
As an alternative to the procedures below, the permittee may use the coating manufacturer's supplied data to demonstrate that organic HAP emitted per volume of coating (less water), as applied, is less than or equal to the applicable organic HAP limit specified in 40 CFR Section 63.745(c).

(1) For coatings that contain no exempt solvents, determine the total organic HAP content using manufacturer's supplied data or Method 24 of 40 CFR part 60, appendix A, to determine the VOC content. The VOC content shall be used as a surrogate for total HAP content for coatings that contain no exempt solvent. If there is a discrepancy between the manufacturer's formulation data and the results of the Method 24 analysis, compliance shall be based on the results from the Method 24 analysis. When Method 24 is used to determine the VOC content of water-reducible coatings, the precision adjustment factors in Reference Method 24 shall be used. If the adjusted analytical VOC content is less than the formulation solvent content, then the analytical VOC content should be set equal to the formulation solvent content.

(2) For each coating formulation as applied, determine the organic HAP weight fraction, water weight fraction (if applicable), and density from manufacturer's data. If the value for organic HAP weight fraction cannot be determined using the manufacturer's data, the owner or operator shall use Method 311 of 40 CFR part 63, appendix A, or submit an alternative procedure for determining the value for approval by the Administrator. If the values for water weight fraction (if applicable) and density cannot be determined using the manufacturer's data, the owner or operator shall submit an alternative

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procedure for determining their values for approval by the Administrator. Recalculation is required only when a change occurs in the coating formulation. If there is a discrepancy between the manufacturer's formulation data and the results of the Method 311 analysis, compliance shall be based on the results from the Method 311 analysis.

(3) For each coating as applied, calculate the mass of organic HAP emitted per volume of coating (lb/gal) less water as applied using equations 1, 2, and 3 of 40 CFR 63.750(c).

(4) Owners and operators that use the coating manufacturer's supplied data to demonstrate compliance based on the HAP content of the coating may add non-HAP solvent to those coatings provided that the owner or operator also maintains records of the non-HAP solvent added to the coating.

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.750]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Test methods and procedures.

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 127.441.]

Alternative application method – primers, topcoats, and specialty coatings.

(a) The owner/operator, seeking to use an alternative application method (as allowed in 40 CFR Section 63.745(f)(1)(v)) in complying with the standards for primers and topcoats, shall comply with the requirements of 40 CFR Section 63.750(i) to determine the organic HAP and VOC emission levels of the alternative application method to demonstrate that the alternative method achieves emission reductions or a transfer efficiency equivalent to or better than HVLP spray, electrostatic spray, airless spray, or air-assisted airless spray application methods.

(b) For specialty coatings, the owner or operator may use any other coating application method capable of achieving emission reductions or a transfer efficiency equivalent to or better than that provided by HVLP, electrostatic spray, air-assisted airless, or airless application. The owner or operator using an application method pursuant to 40 CFR Section 63.750(i) shall maintain records demonstrating the transfer efficiency achieved.

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.750]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Test methods and procedures.

Inorganic HAP emissions--dry particulate filter certification requirements.

Pursuant to 40 CFR Section 63.750(o),

Dry particulate filters must be certified by the filter manufacturer or distributor, paint/depainting booth supplier, and/or the facility owner or operator using method 319 in Appendix A of 40 CFR Part 63, to meet or exceed the efficiency data points found in Tables 2 and 3, or 4 and 5 of 40 CFR Section 63.745 for existing or new sources, respectively.

III. MONITORING REQUIREMENTS.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR Sections 63.745(g)(2), 63.751(c) and 63.752(d).]

(a) A pressure gauge shall be installed across the filter banks. It shall be maintained in good working order.

(b) The permittee, during coating application operation, shall continuously monitor the pressure drop across the system and read and record the pressure drop once per shift as pursuant to 40 CFR Section 63.752(d).

(c) If the pressure differential is outside the limit(s), the permittee shall shut down the operation immediately and take corrective action. The operation shall not be resumed until the pressure differential has returned within the specified limit(s).

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IV. RECORDKEEPING REQUIREMENTS.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Sections 63.752(d), 63.753(a)(1) and 63.10(b)(2)(i),(ii) and (iii).]

The owner/operator shall keep records of

(a) pressure drop across the filter banks, when in operation, once per shift

Note: The requirements to continuously monitor the pressure drop is satisfied and to record the pressure drop once per shift is deemed complete if 95% of the readings are recorded for all of the booths subject to the rule (40 CFR Part 63 Subpart GG) in any six (6) month period. If the last reading recorded correctly prior to any group of missed readings and the first reading recorded correctly after the same group of missed readings are both below the pressure drop limit, the missed readings are deemed to be below the pressure drop limit.

(b) any periods of shutdown due to exceedance of pressure drop readings the date and duration of occurrence and the corrective action taken.

(c) all required maintenance performed on the dry filter system.

 # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.752]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Recordkeeping requirements.

Primer and topcoat, and specialty coating application operations--organic HAP and VOC.

The permittee shall record the information specified in paragraphs (a) through (c) of this condition, as appropriate.

(a) The name and VOC content as received and as applied of each primer, topcoat, and specialty coating used at the facility.

(b) For uncontrolled primers, topcoats, and specialty coating that meet the organic HAP and VOC content limits in 40 CFR Sec. 63.745(c)(1) through (c)(4) without averaging:

(1) The mass of organic HAP emitted per unit volume of coating as applied (less water) and the mass of VOC emitted per unit volume of coating as applied (less water and exempt solvents) for each coating formulation within each coating category used each month (as calculated using the procedures specified in 40 CFR Sec. 63.750(c) and (e));

(2) All data, calculations, and test results (including EPA Method 24 results) used; and

(3) The volume (gal) of each coating formulation within each coating category used each month.

(c) For "low HAP content" uncontrolled primers with organic HAP content less than or equal to 250 g/l (2.1 lb/gal) less water as applied and VOC content less than or equal to 250 g/l (2.1 lb/gal) less water and exempt solvents as applied:

(1) Annual purchase records of the total volume of each primer purchased; and

(2) All data, calculations, and test results (including EPA Method 24 results) used in determining the organic HAP and VOC content as applied. These records shall consist of the manufacturer's certification when the primer is applied as received, or the data and calculations used to determine Hi if not applied as received.

 # 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.752]

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Recordkeeping requirements.

Pursuant to 40 CFR Section 63.752(a), each owner or operator of a source subject to 40 CFR Part 63 Subpart GG shall fulfill all applicable recordkeeping requirements specified in 40 CFR Sections 63.10(a), (b), (d) and (f), except 63.10(b)(2)(i), (iv)

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and (v).

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall keep a copy of the notification and related information given to the Department regarding dry filter installation (Condition #014 (a)(1)-(5) of this section) and the notification requirements of 40 CFR 63.753(a).

V. REPORTING REQUIREMENTS.

 # 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.753]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Reporting requirements.

[Additional authority for this plan approval condition is derived from 25 Pa. Code § 127.441]

Pursuant to 40 CFR section 63.753(c),

Each owner/operator of a primer, topcoat or specialty coating operation subject to 40 CFR Part 63 Subpart GG shall submit the following information:

(a) Semiannual reports occurring every 6 months that identify:

(1) For primers, topcoats, and specialty coatings where compliance is not being achieved through the use of averaging or a control device, the HAP or VOC content in manufacturer's supplied data as recorded under §63.752(c), or each value of Hi and Gi, as recorded under §63.752(c)(2)(i), that exceeds the applicable organic HAP or VOC content limit specified in §63.745(c);

(2) All times when a primer, topcoat, and specialty coating application operation was not immediately shut down when the pressure drop across a dry particulate filter or HEPA filter system, the water flow rate through a conventional waterwash system, or the recommended parameter(s) that indicate the booth performance for pumpless systems, as appropriate, was outside the limit(s) specified by the filter or booth manufacturer or in locally prepared operating procedures;

(3) If the operations have been in compliance for the semiannual period, a statement that the operations have been in compliance with the applicable standards; and,

(b) Annual reports listing the number of times the pressure drop for each dry filter was outside the limit(s) specified by the filter or booth manufacturer or in locally prepared operating procedures.

 # 014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The owner/operator shall notify the Department in writing a minimum of 30 days before the intended use of a specific dry filter system meeting the particulate matter removal efficiency standards in Tables 2 and 3 or 4 and 5 of 40 CFR Section 63.745(g)(2)(ii)(A) for existing and new sources, respectively. The owner/operator shall include the following information with the notice:

(1) Manufacturer name

(2) Model number

(3) Manufacturer recommended range of the pressure drop across the filter banks

(4) A copy of the filter certification obtained in accordance with 40 CFR Section 63.750(o)

(5) Anticipated dates that the specific system is expected to be in use

(6) The owner/operator may install the filter system upon receiving written approval from the Department.

(b) ATI A-3000 system, (2) Paint Pockets HEPPA (blue) blanket filter and final stage 95% Viskon-Aire AS95 multipocket

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system are approved by the Department and only require notification of the dates the system will be in use (Item 5 under section (a) of this Condition).

VI. WORK PRACTICE REQUIREMENTS.

 # 015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall:

(a) not operate the paint booth unless the exhaust air passes through the associated filtering system;

(b) inspect the filters daily for gaps and/or holes and replace accordingly;

A daily checklist shall be kept to document this filter inspection.

(c) keep spare filters on hand for replacement;

(d) install, operate and maintain the paint booth and the dry filter system according to manufacturer's specifications.

 # 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.745]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Standards: Primer, topcoat, and specialty coating application operations.

Pursuant to 40 CFR Section 63.745(g)(2)(iv),

Using the dry particulate filter system, the following requirements shall be met:

(a) Maintain the system in good working order;

(b) Install a differential pressure gauge across the filter banks;

(c) Continuously monitor the pressure drop across the filter and read and record the pressure drop once per shift; and

(d) Take corrective action when the pressure drop exceeds or falls below the filter manufacturer's recommended limit(s).

 # 017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Section 63.745(f).]

[Compliance with the requirement in this permit condition assures compliance with the provisions found in applicable requirements in 25 Pa. Code Sections 129.73(5) and (6) and 129.52(f)]

Application equipment.

(a) The owner/operator shall apply all primers, topcoats (including self-priming topcoats) and specialty coatings using one or more of the following application techniques:

(1) Roll coating;

(2) Brush coating;

(3) Cotton-tipped swab application;

(4) High Volume Low Pressure (HVLP) spraying;

(5) Electrostatic spray application;

(6) Airless, nonatomized spray for conversion coatings;

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(7) Air-assisted spray application; or

(8) Other coating application methods that achieve emission reductions or a transfer efficiency equivalent to or better than HVLP spray or electrostatic spray, airless spray, or air-assisted spray application methods, as determined according to the requirements in 40 CFR Section 63.750(i), subject to written approval by the Department.

(b) All coating spray application devices used to apply primers, topcoats (including self-priming topcoats) or specialty coatings shall be operated according to company procedures, local specified operating procedures, and/or the manufacturer's specifications, whichever is most stringent, at all times. Equipment modified by the facility shall maintain a transfer efficiency equivalent to HVLP spray, electrostatic spray, airless spray or air assisted airless spray application techniques.

(c) The following situations are exempt from the requirements of paragraph (a) of this condition:

(1) Any situation that normally requires the use of an extension on the spray gun to properly reach limited access spaces;

(2) The application of coatings that contain fillers that adversely affect atomization with HVLP spray guns and that the permitting agency has determined cannot be applied by any of the application methods specified in paragraph (a) of this condition;

(3) The application of coatings that normally have a dried film thickness of less than 0.0013 centimeter (0.0005 in.) and that the permitting agency has determined cannot be applied by any of the application methods specified in paragraph (a) of this condition;

(4) The use of airbrush application methods for stenciling, lettering, and other identification markings, and the spray application of no more than 3.0 fluid ounces of coating in a single application (i.e., the total volume of a single coating formulation applied during any one day to any one aerospace vehicle or component) from a hand-held device with a paint cup capacity that is equal to or less than 3.0 fluid ounces (89 cubic centimeters). Using multiple small paint cups or refilling a small paint cup to apply more than 3.0 fluid ounces under the requirements of this paragraph is prohibited. If a paint cup liner is used in a reusable holder or cup, than the holder or cup must be designed to hold a liner with a capacity of no more than 3.0 fluid ounces. For example, a 3.0 ounce liner cannot be used in a holder than can also be used with a 6.0 ounce liner under the requirements of this paragraph;

(5) The use of hand-held non-refillable aerosol containers;

(6) Touch-up and repair operations;

(7) Adhesives, sealants, maskants, caulking materials, and inks; and

(8) The application of coatings that contain less than 20 grams of VOC per liter of coating.

 # 018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The following dry filter systems, meeting the particulate matter removal efficiency standards in Tables 2 and 3 or 4 and 5 of 40 CFR Section 63.745(g)(2)(ii)(A) for existing and new sources, respectively, are approved for use as dry filters: (1) ATI A-3000 system, (2) Paint Pockets HEPPA (blue) blanket filter and final stage 95% Viskon-Aire AS95 multipocket system.

(b) The owner/operator may install and use other dry filter systems, meeting the requirements of the particulate matter removal efficiency standards in Tables 2 and 3 or 4 and 5 of 40 CFR Section 63.745(g)(2)(ii)(A) for existing and new sources, respectively, upon providing the Department with the notification in Condition #014 and receiving written approval by the Department.

 # 019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this plan approval condition is derived from 40 CFR Section 63.745 (b).]

Each owner or operator shall conduct the handling and transfer of all coatings, cleaning solvents, spot strippers or waste

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materials to or from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills.

 # 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.743]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Standards: General.

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

 # 021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.745]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Standards: Primer, topcoat, and specialty coating application operations.

[Additional authority for this permit condition is derived from 25 Pa. Code §127.512.]

The permittee shall demonstrate compliance using the applicable requirements below:

Compliance methods.
Compliance with the organic HAP and VOC contents limits specified in paragraphs (c)(1) through (c)(6) of 40 CFR Section 63.745 shall be accomplished by using the methods specified in paragraphs (1) and (2) of this condition either by themselves or in conjunction with one another.

(1) Use primers, topcoats (including self-priming topcoats) and specialty coatings with HAP and VOC content levels equal to or less than the limits specified in paragraphs (c)(1) through (c)(6) of 40 CFR Section 63.745; or

(2) Use the averaging provisions described in 40 CFR Section 63.743(d).

VII. ADDITIONAL REQUIREMENTS.

 # 022 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

[Additional authority for this permit condition is derived from 40 CFR Section 63.741(f).]

(a) 25 Pa. Code Section 129.73 does not apply to this source where cleaning and coating of aerospace components and vehicles as follows:

(1) At any source conducting research and development for the research and development activities.

(2) For quality control and laboratory testing.

(3) For production of electronic parts and assemblies (except for cleaning and coating of completed assemblies).

(4) For rework operations performed on antique aerospace vehicles or components.

(b) 40 CFR Part 63 Subpart GG does not contain control requirements for activities as specified in 40 CFR Section 63.741(f).

 # 023 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source group consists of:

(a) Source ID 300A, Bldg 3-80 Bay 3 Spray Booth
(b) Source ID 300B, Bldg 3-80 Bay 4 Spray Booth

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(c) Source ID 301, Bldg 4-04 Spray Booths:

(1) Source 208… Spray Booth #2 4-04 (formerly #4 3-B3)
(2) Source 209… Spray Booth #1 4-04 (formerly #5 3-B3)

(d) Source ID 302, Bldg 3-12 Spray Booths:

(1) Booth #1 Source 162… Spray Booth BCC 35581
(2) Booth #3 Spray Booth BCC 42179

(e) Source ID 303, Two (2) Spray Booths (Bldg 3-73):

(1) Source 170 Paint Bay BCC #15820 & 15821 Bldg 3-73

(f) Source ID 304, Bldg 3-07 Spray Booths:

(1) Source 224… Blade Spray Booth
(2) Source 225… Detail Spray Booth
(3) 3-07 Primer booth (BCC #95148)

(g) Source ID 308, Building 3-25 Spray Booth
(h) Source ID 309, Bldg 3-80 Bay 2 Spray Booth

(i) Source ID 311B, Bldg 3-57 V-22 Aircraft/Sections Paint Booth

 # 024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.743]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Standards: General.

As an alternative of complying with the individual coating limits in 40 CFR Sections 63.745 and 63.747, a facility may choose to comply with the averaging provisions specified in paragraphs (1) through (4) of this condition.

(1) Each owner or operator of a new or existing source shall use any combination of primers, topcoats (including self-priming topcoats), specialty coatings, Type I chemical milling maskants, or Type II chemical milling maskants such that the monthly volume-weighted average organic HAP and VOC contents of the combination of primers, topcoats (including self-priming topcoats), specialty coatings, Type I chemical milling maskants, or Type II chemical milling maskants, as determined in accordance with the applicable procedures set forth in 40 CFR Section 63.750, complies with the specified content limits in 40 CFR Sections 63.745(c) and 63.747(c), unless the permitting agency specifies a shorter averaging period as part of an ambient ozone control program.

(2) Averaging is allowed only for uncontrolled primers, topcoats (including self-priming topcoats), specialty coatings, Type I chemical milling maskants, or Type II chemical milling maskants.

(3) Averaging is not allowed between specialty coating types defined in Appendix A to 40 CFR 63 Section GG or between the different types of coatings specified in paragraphs (i) through (vii) of this section:

(i) Primers and topcoats (including self-priming topcoats).

(ii) Type I and Type II chemical milling maskants.

(iii) Primers and chemical milling maskants.

(iv) Topcoats and chemical milling maskants.

(v) Primers and specialty coatings.

(vi) Topcoats and specialty coatings.

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(vii) Chemical milling maskants and specialty coatings.

(4) Each averaging scheme shall be approved in advance by the permitting agency and adopted as part of the facility's Title V permit.

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

SECTION E. Source Group Restrictions.

Group Name: AEROSPACE PAINT BOOTHS GR.2

Group Description: Paint booths subject to aerospace NESHAP

Sources included in this group

ID	Name
171	TOUCH & REPAIR BOOTH (BLDG 3-06)
228	FREKOTE EXHAUST BOOTH # 1 (BLDG 3-07)
229	FREKOTE EXHAUST BOOTH #2 (BLDG 3-07)
305	FUGITIVE SPECIALTY COATING OPERATIONS

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.745]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities
Standards: Primer, topcoat, and specialty coating application operations.

[Additional authority for this permit condition is also derived from 40 CFR 63.745(c) and (e) and 25 Pa. Code 127.441.]

Uncontrolled coatings – organic HAP and VOC levels

(a) The permittee shall comply with the organic HAP and VOC content limits specified in paragraphs (1) through (2) of this condition for those coatings that are uncontrolled.

(1) Organic HAP emissions from specialty coatings shall be limited to an organic HAP content level of no more than the HAP content limit specified in Table 1 of 40 CFR Section 63.745 for each applicable specialty coating type.

(2) VOC emissions from specialty coatings shall be limited to a VOC content level of no more than the VOC content limit specified in Table 1 of 40 CFR Section 63.745 for each applicable specialty coating type.

(b) Compliance with the organic HAP and VOC content limits specified in paragraphs (a)(1) through (2) above shall be accomplished by using specialty coatings with HAP and VOC content levels equal to or less than the limits specified in paragraphs (a)(1) through (2).

 # 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.745]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities
Standards: Primer, topcoat, and specialty coating application operations.

[Additional authority for this permit condition is also derived from 40 CFR 63.745 (g) and 25 Pa. Code 127.441.]

Inorganic HAP emissions.

Aerospace NESHAP compliant particulate filters are not installed on this source. As such, the permittee must comply with the requirements of 40 CFR 63.745(g)(4) as follows:

This source is limited to the following spray-applied operations (as defined in 40 CFR 63.742) which also contain inorganic HAP:

(1) Touch-up of scratched surfaces or damaged paint;

(2) Hole daubing for fasteners;

(3) Touch-up of trimmed edges;

(4) Coating prior to joining dissimilar metal components;

(5) Stencil operations performed by brush or air brush;

(6) Section joining;

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(7) Touch-up of bushings and other similar parts;

(8) Sealant detackifying;

(9) Spray application of specialty coatings in an area identified in a title V permit, where the permitting authority has determined that it is not technically feasible to spray apply coatings to the parts in a booth;

(10) The use of hand-held non-refillable aerosol containers; and

(11) The spray application of no more than 3.0 fluid ounces of coating in a single application (i.e., the total volume of a single coating formulation applied during any one day to any one aerospace vehicle or component) from a hand-held device with a paint cup capacity that is equal to or less than 3.0 fluid ounces (89 cubic centimeters). Using multiple small paint cups or refilling a small paint cup to apply more than 3.0 fluid ounces under the requirements of this paragraph is prohibited. If a paint cup liner is used in a reusable holder or cup, then the holder or cup must be designed to hold a liner with a capacity of no more than 3.0 fluid ounces. For example, under the requirements of this paragraph, a 3.0 ounce liner cannot be used in a holder that can also be used with a 6.0 ounce liner.

(12) Coating operations where the part is too large to be moved to a booth.

(13) Coating operations where the coatings are not spray applied.

(14) Coating operations where the part would need to be removed from a fixture/tool to be painted in a booth.

(15) Coating operations where the cycle time restrictions prior to subsequent operations make it time prohibitive to move the part to a paint booth.

(16) Painting of joint areas, sealant areas, or small standard parts including but not limited to bushings, fasteners, nuts, shims, and spacers that is incidental to the application of the coating and is required to achieve complete coverage.

(17) Other operations where engineering analysis recommends the part be painted outside of a booth.

II. TESTING REQUIREMENTS.

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.750]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Test methods and procedures.

[Additional authority for this permit condition is also derived from 40 CFR 63.750(c) and (e).]

(a) VOC content level determination – compliant specialty coatings. For those uncontrolled specialty coatings complying with the specialty coating VOC content levels specified in 40 CFR Section 63.745(c) without being averaged, the following procedures shall be used to determine the mass of VOC emitted per volume of coating (less water and exempt solvents) as applied. As an alternative to the procedures below, the permittee may use coating manufacturer's supplied data to demonstrate that VOC emitted per volume of coating (less water and exempt solvents), as applied, is less than or equal to the applicable VOC limit specified in 40 CFR Section 63.745(c).

(1) For coatings that contain no exempt solvents, determine the VOC content using manufacturer's supplied data or Method 24 of 40 CFR part 60, appendix A, to determine the VOC content. The VOC content shall be used as a surrogate for total HAP content for coatings that contain no exempt solvent. If there is a discrepancy between the manufacturer's formulation data and the results of the Method 24 analysis, compliance shall be based on the results from the Method 24 analysis. When Method 24 is used to determine the VOC content of water-reducible coatings, the precision adjustment factors in Reference Method 24 shall be used. If the adjusted analytical VOC content is less than the formulation solvent content, then the analytical VOC content should be set equal to the formulation solvent content.

(2) For each coating as applied, calculate the mass of VOC emitted per volume of coating (lb/gal) (less water and exempt solvents) as applied using equations 5, 6, and 7 of 40 CFR 63.750(e).

(b) Organic HAP content level determination – compliant specialty coatings. For those uncontrolled specialty coatings

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complying with the specialty coating organic HAP content limits specified in 40 CFR Section 63.745(c) without being averaged, the following procedures shall be used to determine the mass of organic HAP emitted per volume of coating (less water) as applied. As an alternative to the procedures below, the permittee may use the coating manufacturer's supplied data
to demonstrate that organic HAP emitted per volume of coating (less water), as applied, is less than or equal to the applicable organic HAP limit specified in 40 CFR Section 63.745(c).

(1) For coatings that contain no exempt solvents, determine the total organic HAP content using manufacturer's supplied data or Method 24 of 40 CFR part 60, appendix A, to determine the VOC content. The VOC content shall be used as a surrogate for total HAP content for coatings that contain no exempt solvent. If there is a discrepancy between the manufacturer's formulation data and the results of the Method 24 analysis, compliance shall be based on the results from the Method 24 analysis. When Method 24 is used to determine the VOC content of water-reducible coatings, the precision adjustment factors in Reference Method 24 shall be used. If the adjusted analytical VOC content is less than the formulation solvent content, then the analytical VOC content should be set equal to the formulation solvent content.

(2) For each coating formulation as applied, determine the organic HAP weight fraction, water weight fraction (if applicable), and density from manufacturer's data. If the value for organic HAP weight fraction cannot be determined using the manufacturer's data, the owner or operator shall use Method 311 of 40 CFR part 63, appendix A, or submit an alternative procedure for determining the value for approval by the Administrator. If the values for water weight fraction (if applicable) and density cannot be determined using the manufacturer's data, the owner or operator shall submit an alternative procedure for determining their values for approval by the Administrator. Recalculation is required only when a change occurs in the coating formulation. If there is a discrepancy between the manufacturer's formulation data and the results of the Method 311 analysis, compliance shall be based on the results from the Method 311 analysis.

(3) For each coating as applied, calculate the mass of organic HAP emitted per volume of coating (lb/gal) less water as applied using equations 1, 2, and 3 of 40 CFR 63.750(c).

(4) Owners and operators that use the coating manufacturer's supplied data to demonstrate compliance based on the HAP content of the coating may add non-HAP solvent to those coatings provided that the owner or operator also maintains records of the non-HAP solvent added to the coating.

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.750]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Test methods and procedures.

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 127.441.]

Alternative application method – specialty coatings.

(a) For specialty coatings, the owner or operator may use any other coating application method capable of achieving emission reductions or a transfer efficiency equivalent to or better than that provided by HVLP, electrostatic spray, air-assisted airless, or airless application. The owner or operator using an application method pursuant to 40 CFR Section 63.750(i) shall maintain records demonstrating the transfer efficiency achieved.

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.752]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Recordkeeping requirements.

Specialty coatings application operations – organic HAP and VOC.

The permittee shall record the information specified in paragraphs (a) and (b) of this condition, as appropriate.

(a) The name and VOC content as received and as applied of each specialty coating used at the facility.

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(b) For uncontrolled specialty coatings that meet the organic HAP and VOC content limits in 40 CFR Section 63.745(c)(1) through (c)(6) without averaging:

(1) The mass of organic HAP emitted per unit volume of coating as applied (less water)(Hi) and the mass of VOC emitted per unit volume of coating as applied (less water and exempt solvents)(Gi) for each coating formulation within each coating category used each month (as calculated using the procedures specified in 40 CFR Section 63.750(c) and (e));

(2) All data, calculations, and test results (including EPA Method 24 results) used to determine Hi and Gi in paragraph (1); and

(3) The volume (gal) of each coating formulation within each coating category used each month.

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.752]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Recordkeeping requirements.

Pursuant to 40 CFR Section 63.752(a), each owner or operator of a source subject to 40 CFR Part 63 Subpart GG shall fulfill all applicable recordkeeping requirements specified in 40 CFR Sections 63.10(a), (b), (d) and (f), except 63.10(b)(2)(i), (iv) and (v).

V. REPORTING REQUIREMENTS.

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.753]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Reporting requirements.

[Additional authority for this permit condition is derived from 25 Pa. Code §127.441.]

Pursuant to 40 CFR Section 63.753(c),

Each owner/operator of a specialty coating operation subject to 40 CFR Part 63 Subpart GG shall submit the following information:

(a) Semiannual reports occurring every 6 months from the date of the notification of compliance status that identify:

(1) For specialty coating where compliance is not being achieved through the use of averaging or a control device, the HAP or VOC content in manufacturer's supplied data as recorded under § 63.752(c), or each value of Hi and Gi, as recorded under 40 CFR Section 63.752(c)(2)(i), that exceeds the applicable organic HAP or VOC content limit specified in 40 CFR Section 63.745(c);

(2) If the operations have been in compliance for the semiannual period, a statement that the operations have been in compliance with the applicable standards.

VI. WORK PRACTICE REQUIREMENTS.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Section 63.745(f).]
[Compliance with the requirement in this permit condition assures compliance with the provisions found in applicable requirements in 25 Pa. Code Sections 129.73(5) and (6).]

Application equipment.

(a) The owner/operator shall apply all specialty coatings using one or more of the following application techniques:

(1) Roll coating;

(2) Brush coating;

(3) Cotton-tipped swab application;

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(4) High Volume Low Pressure (HVLP) spraying;

(5) Electrostatic spray application;

(6) Airless, nonatomized spray for conversion coatings;

(7) Air-assisted spray application; or

(8) Other coating application methods that achieve emission reductions or a transfer efficiency equivalent to or better than HVLP spray or electrostatic spray, airless spray, or air-assisted spray application methods, as determined according to the requirements in 40 CFR Section 63.750(i), subject to written approval by the Department.

(b) All coating spray application devices used to apply specialty coatings shall be operated according to company procedures, local specified operating procedures, and/or the manufacturer's specifications, whichever is most stringent, at all times. Spray equipment modified by the facility shall maintain a transfer efficiency equivalent to HVLP spray, electrostatic spray, airless spray or air assisted airless spray application techniques.

(c) The following situations are exempt from the requirements of paragraph (a) of this condition:

(1) Any situation that normally requires the use of an extension on the spray gun to properly reach limited access spaces;

(2) The application of coatings that contain fillers that adversely affect atomization with HVLP spray guns and that the permitting agency has determined cannot be applied by any of the application methods specified in paragraph (a) of this condition;

(3) The application of coatings that normally have a dried film thickness of less than 0.0013 centimeter (0.0005 in.) and that the permitting agency has determined cannot be applied by any of the application methods specified in paragraph (a) of this condition;

(4) The use of airbrush application methods for stenciling, lettering, and other identification markings, and the spray application of no more than 3.0 fluid ounces of coating in a single application (i.e., the total volume of a single coating formulation applied during any one day to any one aerospace vehicle or component) from a hand-held device with a paint cup capacity that is equal to or less than 3.0 fluid ounces (89 cubic centimeters). Using multiple small paint cups or refilling a small paint cup to apply more than 3.0 fluid ounces under the requirements of this paragraph is prohibited. If a paint cup liner is used in a reusable holder or cup, than the holder or cup must be designed to hold a liner with a capacity of no more than 3.0 fluid ounces. For example, a 3.0 ounce liner cannot be used in a holder than can also be used with a 6.0 ounce liner under the requirements of this paragraph;

(5) The use of hand-held non-refillable aerosol containers;

(6) Touch-up and repair operations;

(7) Adhesives, sealants, maskants, caulking materials, and inks; and

(8) The application of coatings that contain less than 20 grams of VOC per liter of coating.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Section 63.745(b).]

Each owner or operator shall conduct the handling and transfer of all coatings, cleaning solvents, spot strippers or waste materials to or from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills.

 # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.743]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Standards: General.

At all times, the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for

SECTION E. Source Group Restrictions.

minimizing emissions. The general duty to minimize emissions does not require the owner or operator to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review or operation and maintenance procedures,review of operation and maintenance records, and inspection of the source.

VII. ADDITIONAL REQUIREMENTS.

 # 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.743]

Subpart GG -- National Emission Standards for Aerospace Manufacturing and Rework Facilities

Standards: General.

As an alternative of complying with the individual coating limits in 40 CFR Sections 63.745 and 63.747, a facility may choose to comply with the averaging provisions specified in paragraphs (1) through (4) of this condition.

(1) Each owner or operator of a new or existing source shall use any combination of primers, topcoats (including self-priming topcoats), specialty coatings, Type I chemical milling maskants, or Type II chemical milling maskants such that the monthly volume-weighted average organic HAP and VOC contents of the combination of primers, topcoats (including self-priming topcoats), specialty coatings, Type I chemical milling maskants, or Type II chemical milling maskants, as determined in accordance with the applicable procedures set forth in 40 CFR Section 63.750, complies with the specified content limits in 40 CFR Sections 63.745(c) and 63.747(c), unless the permitting agency specifies a shorter averaging period as part of an ambient ozone control program.

(2) Averaging is allowed only for uncontrolled primers, topcoats (including self-priming topcoats), specialty coatings, Type I chemical milling maskants, or Type II chemical milling maskants.

(3) Averaging is not allowed between specialty coating types defined in Appendix A to 40 CFR 63 Section GG or between the different types of coatings specified in paragraphs (i) through (vii) of this section:

(i) Primers and topcoats (including self-priming topcoats).

(ii) Type I and Type II chemical milling maskants.

(iii) Primers and chemical milling maskants.

(iv) Topcoats and chemical milling maskants.

(v) Primers and specialty coatings.

(vi) Topcoats and specialty coatings.

(vii) Chemical milling maskants and specialty coatings.

(4) Each averaging scheme shall be approved in advance by the permitting agency and adopted as part of the facility's Title V permit.

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

SECTION E. Source Group Restrictions.

Group Name: BLDG 3-80 BAY 2, 3 AND 4 SPRAY BOOTHS

Group Description: Bldg 3-80 Spray Booths, Source IDs 300A, 300B, and 309

Sources included in this group

ID	Name
300A	BLDG 3-80 BAY 3 SPRAY BOOTH
300B	BLDG 3-80 BAY 4 SPRAY BOOTH
309	BLDG 3-80 BAY 2 SPRAY BOOTH

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following emissions limits apply to the combination of paint booths in Bldg 3-80, Source IDs 300A, 300B and 309:

(a) The particulate matter emissions (PM/PM10/PM2.5), including cleaning, stripping and application of conversion coatings, shall not exceed 0.61 lb/hr and 0.12 tons per year as a twelve (12) month rolling sum.

(b) The Volatile Organic Compound (VOC) emissions, including cleaning, stripping and application of conversion coatings, shall not exceed 62.5 lb/hr and 17.2 tons per year as a twelve (12) month rolling sum.

(c) The Hazardous Air Pollutants (HAPs) emissions, including cleaning, stripping and application of conversion coatings, shall not be exceeded as follows:

(1) Organic HAPs: 40.5 lb/hr and 6.83 tons per year as a twelve (12) month rolling sum.

(2) Inorganic HAPs: 0.33 lb/hr and 0.025 tons per year as a twelve (12) month rolling sum.

[As pertains to this condition, the emissions from cleaning, stripping relates only to conversion coatings].

[The permittee may demonstrate compliance with the VOC and HAPs hourly limits through emission calculations based on maximum hourly application rate and maximum VOC content or HAP content of coating to satisfy the VOC and HAPs recordkeeping requirement for this condition].

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

No person may permit the emission into the outdoor atmosphere of particulate matter from any of the dry filter systems controlling its respective paint booth in Bay 2, Bay 3, or Bay 4 at any time, in excess of 0.02 grains per dry standard cubic foot.

[This condition reflects Best Available Technology for the source and assures compliance with 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).

III. MONITORING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The owner/operator shall monitor daily:

(1) The amount inks/coatings used

(2) The HAP and VOC content of the inks/coatings, as applied

SECTION E. Source Group Restrictions.

(b) The owner/operator shall calculate the PM/PM10/PM2.5, VOC, Inorganic and Organic HAPs emissions monthly and as a 12 month rolling sum.

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.52]

The owner/operator shall keep daily records of the following:

(a) The following parameters for each coating and other components as supplied

(1) name and identification number

(2) volume used

(3) mix ratio

(4) density or specific gravity

(b) VOC content of each coating and other components, as supplied

(c) VOC content of each coating, as applied

(d) A current list of coatings in use categorized in accordance with Table II of 25 Pa. Code § 129.73.

(e) The permittee shall comply with the condition using the approved alternate monitoring method in the Miscellaneous Section, Section H, of this Operating Permit.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The owner/operator shall record daily and compile monthly:

(1) The amount inks/coatings used

(2) The HAP and VOC content of the inks/coatings, as applied

(b) The owner/operator shall keep records of the calculation, monthly, and 12 -month rolling sum of the PM/PM10/PM2.5, VOC, Inorganic and Organic HAPs emissions.

V. REPORTING REQUIREMENTS.

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

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.

The owner/operator shall not undertake a physical change or a change in the method of operation in any one, or any combination, of the three paint booths in Bldg 3-80, Source IDs 300A, 300B or 309, without first obtaining written Department approval.

SECTION E. Source Group Restrictions.

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

SECTION E. Source Group Restrictions.

Group Name: CB-5,6,AND 7 BOILERS

Group Description: 3 boilers in Bldg 4-14

Sources included in this group

ID	Name
055	CB - 5 BOILER (BLDG 4-14)
056	CB - 6 BOILER (BLDG 4-14)
057	CB - 7 BOILER (BLDG 4-14)

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.22]

Combustion units

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2, from any combustion unit, in the Southeast Air Basin, in excess of 1 pounds per million Btu of heat input, pursuant to 25 Pa. Code §123.22(e)(1).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This boiler shall not exceed the following emission limits:

(a) when firing natural gas
Nitrogen oxides (NOx): 30 ppmdv at 3% oxygen
Particulate matter (PM): 0.016 lb/MMBtu
Particulate matter less than 10 microns (PM10): 0.016 lb/MMBtu
Particulate matter less than 2.5 microns (PM2.5): 0.016 lb/MMBtu
Volatile organic compounds (VOC): 0.006 lb/MMBtu
Carbon monoxide (CO): 50 ppmdv at 3% oxygen
Sulfuric acid mist (H2SO4): 0.00225 lb/hr
Hazardous air pollutants (HAP): 0.0925 lb/hr

(b) when firing No. 2 fuel oil
Nitrogen oxides (NOx): 90 ppmdv at 3% oxygen
Particulate matter (PM): 0.057 lb/MMBtu
Particulate matter less than 10 microns (PM10): 0.033 lb/MMBtu
Particulate matter less than 2.5 microns (PM2.5): 0.027 lb/MMBtu
Volatile organic compounds (VOC): 0.002 lb/MMBtu
Carbon monoxide (CO): 50 ppmdv at 3% oxygen
Sulfuric acid mist (H2SO4): 0.94 lb/hr
Hazardous air pollutants (HAP): 0.0274 lb/hr

Note: The Department reserves the right to modify emissions limits based on the results of emissions testing or other Department findings.

[Compliance with this streamlined permit condition for PM assures compliance with 25 Pa. Code 123.11(a)(1).]

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The combined emissions from all three (3) boilers, Source IDs 055, 056, and 057 shall not exceed the following on a 12month rolling sum basis.

tons/year
NOx: 13.2
SOx: 6.29
PM: 5.86
PM10: 5.16
PM2.5: 4.98

SECTION E. Source Group Restrictions.

VOC: 1.77
CO: 11.0
sulfuric acid mist: 0.58
HAPs: 0.57

CO2e: 36,699 (carbon dioxide equivalent emissions)

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.43c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Standard for particulate matter.

[Additional authority for this condition is from 40 CFR Section 60.10.]

(a) In accordance with 40 CFR Section 60.43c(c),

No owner or operator of this boiler shall cause to be discharged into the atmosphere any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. This opacity standard applies at all times, except during periods of startup, shutdown or malfunction.

(b) In case of a conflict in opacity limitations between 40 CFR Section 60.43c(c) and 25 Pa. Code Section 123.41 (Condition Section C #005), the more stringent requirement applies.

Fuel Restriction(s).

 # 005 [25 Pa. Code §123.22]

Combustion units

(a) A person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 0.05% by weight sulfur content, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

(b) Commercial fuel oil that was stored in the Commonwealth by the ultimate consumer

(i) prior to July 1, 2016 which met the applicable maximum allowable sulfur content for commercial fuel oil through June 30, 2016 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after July 1, 2016.

(ii) prior to September 1, 2020 which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after August 31, 2020.

(c) On and after September 1, 2020, a person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 15 ppm or 0.0015% by weight for No. 2; by weight sulfur content, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

[Compliance with this streamlined permit condition assures compliance with 40 C.F.R. Section 60.42c(d).]

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 40 CFR Section 63.7575.]

(a) This boiler shall be fired only with natural gas, purchased through a utility, or with commercial No.2 fuel oil, meeting the specifications in this Operating Permit.

SECTION E. Source Group Restrictions.

(b) In order to limit the applicable requirements of 40 CFR Part 63 Subpart DDDDD to those in this Operating Permit,

(1) the permittee shall operate this boiler as a "unit designed to burn gas 1 subcategory," as defined in 40 CFR Section 63.7575 as follows:

"any boiler 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 that burn liquid fuel during periods of gas curtailment or gas supply interruptions of any duration are also included in this definition."

with period of gas curtailment or supply interruption defined as:

"a period of time during which the supply of gaseous fuel to an affected boiler is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under the control of a facility for the purposes of this definition. An increase in the cost or unit price of natural gas due to normal market fluctuations not during periods of supplier delivery restriction does not constitute a period of natural gas curtailment or supply interruption. On-site gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the control of the facility."

(2) the permittee shall employ a continuous oxygen trim system on this boiler that maintains an optimum air to fuel ratio.

II. TESTING REQUIREMENTS.

 # 007 [25 Pa. Code §123.22]

Combustion units

Pursuant to 25 Pa. Code Section 123.22(f),

(a) The actual sulfur content of commercial fuel oil shall be determined:

(1) in accordance with the sample collection, test methods and procedures specified under 25 Pa. Code § 139.16 (relating to sulfur in fuel oil); or
(2) by other methods developed or approved by the Department or the Administrator of the EPA, or both.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The owner/operator shall perform a stack test, using Department-approved procedures, every five (5) years or once within the life of the permit, on one representative boiler, Source ID 055, 056 or 057, to demonstrate compliance with the emission limits in Condition #002. Such testing shall be conducted at least 12 months prior to the expiration of this permit.

(b) Performance tests shall be conducted with Department approved methods and in accordance with the provisions of 25 Pa Code Chapter 139 and the Department's Source Testing Manual (274-0300-002).

(c) The stack test shall, at a minimum, test for CO and NOx when firing natural gas to show compliance with the emissions limits in Condition #002(a) of this Section.

(d) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples. days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(e) At least thirty (30) days prior to the test, the Regional Air Quality Manager shall be informed of the expected date and time of the test. Final acceptance of the test date is contingent on approval of the test protocol.

SECTION E. Source Group Restrictions.

(f) Within sixty (60) days after the source test(s) (unless a more stringent regulatory requirement applies), one paper copy plus one electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(g) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

(h) Stack testing to show compliance with the limits in Condition #002(b) of this section when firing No. 2 fuel oil is not required during this term of the permit unless specifically requested by the Department.

 # 009 [25 Pa. Code §139.53]

Filing monitoring reports.

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

(a) a statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings;
(b) permit number(s) and condition(s) which are the basis for the evaluation;
(c) summary of results with respect to each applicable permit condition;
(d) statement of compliance or non-compliance with each applicable permit condition.

 # 010 [25 Pa. Code §139.53]

Filing monitoring reports.

Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3) all testing submittals, besides notifications, shall be accomplished through PSIMS* Online available through

http://www.depgreenport.state.pa.us/ecomm/Login.jsp

when it becomes available. If internet submittal cannot be accomplished or is not available, two copies of the submittal shall be mailed to the Department.

III. MONITORING REQUIREMENTS.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall install and maintain a natural gas meter and a fuel oil meter at the inlet to each boiler in order to determine and record the usage of each fuel.

 # 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.47c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Emission monitoring for particulate matter.

(a) Except as provided in sections (b), (c) and (d) of this condition, the owner/operator shall conduct subsequent Method 9 opacity tests for this boiler, when firing No. 2 fuel oil, according to the applicable schedule from paragraphs (1) through (4) of this section. The applicable schedule is determined from the results of the most recent Method 9 opacity test conducted on this boiler when firing No. 2 fuel oil:

(1) If no visible emissions are observed, a subsequent Method 9 test must be completed within 12 calendar months from the date that the most recent performance test was conducted or within 45 days of the next day that No. 2 fuel oil is combusted, whichever is later;

(2) If visible emissions are observed but the maximum 6-minute average opacity is less than or equal to 5 percent, a subsequent Method 9 performance test must be completed with 6 calendar months from the date that the most recent performance test was conducted or within 45 days of the next day that No. 2 fuel oil is combusted, whichever is later;

(3) If the maximum 6-minute average opacity is greater than 5 percent but less than or equal to 10 percent, a subsequent Method 9 performance test must be completed with 3 calendar months from the date that the most recent performance test

SECTION E. Source Group Restrictions.

was conducted or within 45 days of the next day that No. 2 fuel oil is combusted, whichever is later; or

(4) If the maximum 6-minute average opacity is greater than 10 percent, a subsequent Method 9 performance test must be completed with 45 calendar days from the date that the most recent performance test was conducted.

(b) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 performance test, the owner/operator may elect to perform subsequent opacity monitoring using Method 22 and according to the procedures of 40 CFR Sections 60.47c(a)(2)(i) and (ii), as indicated in paragraphs (1) and (2) of this condition:

(1) Conduct 10-minute observations (during normal operation) each operating day the affected facility fires No. 2 fuel oil using Method 22 of Appendix A-7 of 40 CFR Part 60 and demonstrate that the sum of the occurrences of any visible emissions is not in excess of 5 percent of the observation period (i.e. 30 seconds per 10 minute period). If the sum of the occurrences of any visible emissions is greater than 30 seconds during the initial 10 minute observation, immediately conduct a 30 minute observation. If the sum of the occurrences of visible emissions is greater than 5 percent of the observation period (i.e. 90 seconds per 30 minute period), the owner or operator shall either document and adjust the operation of the facility and demonstrate within 24 hours that the sum of the occurrences of visible emissions is equal to or less than 5 percent during a 30 minute observation (i.e., 90 seconds) or conduct a new Method 9 performance test using the procedures in paragraph (a) of this condition within 45 calendar days according to the requirements in 40 CFR Section 60.45c(a)(8).

(2) If no visible emissions are observed for 10 operating days during which No. 2 fuel is used, observations can be reduced to once every 7 operating days during which No. 2 fuel is used. If any visible emissions are observed, daily observations shall be resumed.

(c) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 performance test, the owner or operator may, as an alternative to performing subsequent Method 9 performance tests, elect to perform subsequent monitoring using a digital opacity compliance system according to a site-specific monitoring plan approved by the Administrator. The observations shall be similar, but not necessarily identical, to the requirements in 40 CFR Section 60.47c (a)(2) [part (b) of this condition]. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Policy Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods.

(d) Pursuant to 40 CFR Section 60.47c(f)(3), the permittee has the option of proposing a written site-specific monitoring plan to the permitting authority. This monitoring plan must include procedures and criteria for establishing and monitoring specific parameters for the affected facility indicative of compliance with the opacity standard. The site-specific monitoring plan will take effect upon approval by the permitting authority.

(e) All references to Method 9 in this Operating Permit refer to Method 9 of Appendix A-4 of 40 CFR Part 60.

(f) In accordance with 40 CFR Section 60.47c(a), the observation period for Method 9 performance tests may be reduced from 3 hours to 60 minutes if all 6-minutes averages are less than 10 percent and all individual 15-second observations are less than or equal to 20 percent during the initial 60 minutes of observation.

IV. RECORDKEEPING REQUIREMENTS.

 # 013 [25 Pa. Code §123.22]

Combustion units

Pursuant to 25 Pa. Code Section 123.22(g)(5),

Beginning on July 1, 2016, the ultimate consumer of commercial No. 2 fuel oil shall maintain in electronic or paper format the record, obtained from the supplier, containing the following information:

(i) The date of the sale or transfer;

(ii) The name and address of the transferor;

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(iii) The name and address of the transferee;

(iv) The volume of commercial fuel oil being sold or transferred;

(v) The identification of the sulfur content of the shipment of commercial fuel oil, determined using the sampling and testing methods specified in 25 Pa. Code Section 123.22(f)(1), expressed as the following for No.2 fuel oil:

(a) Prior to September 1, 2020 -''The sulfur content of this shipment is 500 ppm or below.''
(b) On and after September 1, 2020 -''The sulfur content of this shipment is 15 ppm or below.''

(vi) The location of the commercial fuel oil at the time of transfer.

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

(a) The owner/operator shall calculate and keep records of the emissions of the following pollutants on a monthly and on a 12-month rolling sum basis:

NOx,SOx, PM, PM10, PM2.5, VOC, CO, sulfuric acid mist, HAPs and CO2e.

(b) Emissions factors from the most recent stack test or, if unavailable, the emissions factors from the Plan Approval application (23-0009G) shall be used.

(c) The owner/operator shall include this source in applicable recordkeeping and reporting requirements performed for the facility under Mandatory Greenhouse Gas Reporting, 40 CFR Part 98.

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

The owner/operator shall keep records of all notifications, performance tests, fuel analyses or other compliance demonstrations conducted for this source

 # 016 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The owner/operator shall keep records of the maintenance performed on this boiler.

 # 017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]
Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Reporting and recordkeeping requirements.

In accordance with 40 CFR Section 60.48c(f)(1), the owner/operator shall keep a record of the fuel supplier certification for No. 2 fuel oil with the following information:

(a) the name of the oil supplier;
(b) a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR Section 60.41c and;
(c) the sulfur content or maximum sulfur content of the oil.

 # 018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]
Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Reporting and recordkeeping requirements.

(a) In accordance with 40 CFR Section 60.48c(c)(1), the owner/operator shall keep records of the following information for each performance test conducted according to Method 9:

(1) dates and time intervals of all opacity observation periods;

(2) name, affiliation, and copy of current visible emission reading certification for each visible emission observer participating in the performance test; and

(3) copies of all visible emission observer opacity field data sheets.

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(b) For each performance test conducted according to Method 22, the owner/operator shall keep records of the following information as required by 40 CFR 60.48c(c)(2):

(1) Dates and time intervals of all visible emissions observation periods;

(2) Name and affiliation for each visible emission observer participating in the performance test;

(3) Copies of all visible emission observer opacity field data sheets; and

(4) Documentation of any adjustments made and the time the adjustments were completed to the affected facility operation by the owner or operator to demonstrate compliance with the applicable monitoring requirements.

(c) For each digital opacity compliance system or other site-specific monitoring plan, the owner or operator shall maintain records and submit reports according to the requirements specified in the site-specific monitoring plan approved by the Administrator.

 # 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

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

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

[Additional authority for this permit condition is from 25 Pa. Code Sections 129.111 - 129.115.]

(1) Pursuant to 40 CFR Section 63.7540(10), the permittee shall maintain on site and submit, if requested by the Administrator, a report containing the following information;

(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, required by 40 CFR Section 63.7540 (10) and (12) (Condition #028);

(b) a description of any corrective actions taken as a part of the tune-up;

(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.

(2) Pursuant to 25 Pa. Code Section 129.100(g), the owner or operator of a combustion unit performing a tune-up under 25 Pa. Code Section 129.97(b) (Condition #028), shall record each adjustment conducted under the procedures in 25 Pa. Code Section 129.97(b). The record must contain at the minimum:

(a) the date of the tuning procedure.
(b) the name of the service company and the technician performing the procedure.
(c) the final operating rate or load.
(d) the final NOx and CO emission rates.
(e) the final excess oxygen rate.
(f) the information in part (1) of this condition.

 # 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

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

What records must I keep?

The permittee shall keep the following records, in accordance with with 40 CFR Section 63.7555(a), and (h):

(a) A copy of each notification and report submitted to comply with 40 CFR Part 63 Subpart DDDDD, including all documentation;

(b) When an alternative fuel other than a gas 1 fuel is used, a record of the total hours per calendar year that the alternative

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fuel is burned and the total hours per calendar year that the boiler operated during periods of gas curtailment or gas supply emergencies;

V. REPORTING REQUIREMENTS.

 # 021 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

(a) In accordance with 40 CFR Sections 60.48c(d), 60.48c(e) and (e)(11) and (j), the owner/operator of boilers subject to fuel sulfur limitations under Part 60 Subpart Dc shall keep records and submit reports to the Administrator of fuel oil usage and certification.

(1) The reporting period is each 6-month period;

(2) The report shall contain:

(i) the calendar dates covered in the reporting period;

(ii) each 30-day average fuel sulfur content (weight percent); reasons for any noncompliance with the limits and a description of the corrective actions taken;

(iii) fuel supplier certifications for fuel combusted during the reporting period;

(iv) a certified statement signed by the owner/operator that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

(3) All reports after the initial report shall be postmarked by the 30th day following the end of the reporting period.

(b) In accordance with 40 CFR Section 60.48c(c), the owner/operator shall submit reports to the Administrator of any opacity exceedances of Condition #004 of this section.

 # 022 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

[Additional authority for this condition is derived from 25 Pa. Code Section 127.441]

(a) In accordance with 40 CFR Section 60.48c(b), the owner/operator shall submit to the Administrator the opacity performance test data from the initial and any subsequent performance test.

(b) In accordance with 40 CFR Section 60.13(c)(2), this report shall be submitted within 60 days of performance of the test.

(c) The opacity test data submitted shall include the records kept in accordance with 40 CFR Section 60.48c(c)(1).

 # 023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

As specified in 40 CFR Sections 63.7545(b) and 63.9(b)(2), if an owner/operator starts up a source subject to 40 CFR part 63 Subpart DDDDD before January 31, 2013, he/she must submit an Initial Notification not later than 120 days after January 31, 2013.

Pursuant to 40 CFR Section 63.9(1)(iii), a facility may use the application for approval of construction under 40 CFR Section 63.5(d) to fulfill the requirements for Initial Notification. The Initial Notification shall include the following information:

(a) the name and address of the owner or operator;

(b) the address (i.e. physical location) of the affected source;

(c) an identification of the relevant standard for the notice;

(d) a brief description of the nature, size, design and method of operation of the source and an identification of the types of

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emission points within the affected source subject to the standard and the types of hazardous pollutants emitted; and

(e) a statment of whether the facility is major or an area source.

[Boeing submitted the Initial Notification on May 31, 2013.]

 # 024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

[Additional authority for this permit condition is from 40 CFR Sections 63.9(h) and 63.7530(d).]

A notification of compliance status shall be sent to the Administrator before the 60th day following completion of the initial tune-up, required under 40 CFR Part 63 Subpart DDDDD and contain the following information in addition to the information required by 40 CFR Section 63.9(h)(2),

(a) the following certification of compliance, signed by a responsible official,

"This facility complies with the required initial tune-up according to the procedures in 40 CFR Section 63.7540 (a)(10)(i) through (vi)."

(b) If there was a deviation from the requirements, a description of the deviation, its duration and the corrective action taken.
[Boeing submitted the Notification of Compliance Status on March 25, 2016.]

 # 025 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

Pursuant to 40 CFR Section 63.7545(f),

The owner/operator who fires gas 1 fuels subject to 40 CFR Part 63 Subpart DDDDD and intends to use an alternate fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in 40 CFR Section 63.7575, must submit a notification of alternative fuel use to the Administrator within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in 40 CFR Section 63.7575. The notification must include the following information:

(a) company name and address;

(b) Identification of the affected unit(s).

(c) Reason natural gas or equivalent fuel is unable to be used, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.

(d) Type of alternative fuel intended to be to used.

(e) Dates when the alternative fuel use is expected to begin and end.

 # 026 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

(a) In accordance with 40 CFR Section 63.7550(b), the owner/operator of a boiler subject only to a five-year tune-up, shall submit 5-year compliance reports as follows:

The first compliance report for new boilers must cover the 5-year period beginning on January 31, 2013 and ending January 31, 2018 and be postmarked or submitted no later than January 31, 2019. Subsequent reports shall cover the applicable 5year periods from January 1 to December 31 and must be postmarked or submitted no later than January 31 of the year

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following the end of the reporting period.

(b) In accordance with 40 CFR Section 63.7550(c), the compliance report for a facility subject to the requirements for a tuneup shall contain the following information:

(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 date of the most recent tune-up and the date of the most recent burner inspection if it was not done on a 5-year period
and was delayed until the next scheduled or unscheduled unit shutdown;

(v) Statement by a responsible official with that official's name, title and signature, certifying the truth, accuracu and completeness of the content of the report.

(c) In accordance with 40 CFR Section 63.7550 (h)(3), the compliance report shall be submitted electronically using CEDRI that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to Subpart DDDDD is not available in CEDRI at the time that the report is due the report shall be mailed to the Administrator.

VI. WORK PRACTICE REQUIREMENTS.

 # 027 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

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

[Additional authority for this permit condition is from 40 CFR Section 63.7500(a)(3).]

The permittee shall operate and maintain this boiler, including any associated air pollution control and monitoring equipment in a manner consistent with safety, good air pollution control practices for minimizing emissions and manufacturer specifications.

Pursuant to 40 CFR Section, 63.7500(a)(3), 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.

 # 028 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

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

[Additional authority for this permit condition is from 40 CFR Sections 63.7515(d), 63.7540 (12) and (13) and 25 Pa. Code Section 129.96 - 129.100.]

(a) Pursuant to 40 CFR Section 63.7500 (a) (1) and 40 CFR Part 63 Subpart DDDDD Table 3 No. 1 and 25 Pa. Code Section 129.97(b)(2),

The owner/operator of a boiler with a continuous oxygen trim system that maintains an optimum air to fuel ratio shall conduct a tune-up every 5 years, according to the requirements of 40 CFR Section 63.7540 and 25 Pa. Code Section 129.97 (b)(2) (which is the presumptive RACT), as follows:

(1) Inspect, clean or replace fuel burning equipment, including the burners and components, as necessary, for proper operation as specified by the manufacturer;

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(2) Inspect the flame pattern and adjust the burner, as necessary, to optimize the flame pattern to minimize total emissions of NOx and to the extent possible, emissions of CO. The adjustment should be consistent with the manufacturer's specifications, if available;

(3) Inspect and adjust, as necessary, the system controlling the air-to-fuel ratio, to ensure that it is correctly calibrated and operates properly as specified by the manufacturer.

(4) 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;

(5) 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.

(b) Each 5-year tune-up must be conducted no more than 61 months after the previous tune-up and conform to the once in a 5-year calendar period requirement.

(c) If an oxygen trim system is not used, the tune-up frequency shall be on an annual basis with associated compliance reporting corresponding to the annual frequency described in 40 CFR Section 63.7550.

 # 029 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]

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

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

Pursuant to 40 CFR Section 63.7515(d),

the first five-year tune-up specified by 40 CFR Section 63.7540 (Condition #019), must be no later than 61 months after the initial startup of the new source.

The initial startup for boilers ID 055 and 056 was July 14, 2012;
The initial startup for boiler ID 057 was September 18, 2012.

VII. ADDITIONAL REQUIREMENTS.

 # 030 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This boiler is subject to 40 CFR Part 63 Subpart DDDDD and shall comply with all applicable requirements unless superseded by more stringent regulations

 # 031 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]

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

When do I have to comply with this subpart?

Pursuant to 40 CFR Section 63.7495(a), the permittee shall have complied with all applicable requirements of 40 CFR Part 63, Subpart DDDDD by January 31, 2013 or upon startup of the new boiler under the Subpart, whichever is later.

 # 032 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

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

Pursuant to 40 CFR Sections 63.7500 (f) and 63.7505(a), the boiler must be operated in compliance with all applicable workpractice and operating limit requirements of 40 CFR Part 63 Subpart DDDDD at all times, except during startup and shutdown.

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

SECTION E. Source Group Restrictions.

Group Name: GASOLINE TANKS (201 & 202)

Group Description: gasoline tanks

Sources included in this group

ID	Name
201	GASOLINE TANK (TK043A)
202	GASOLINE TANK (TK043B)

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 001 [25 Pa. Code §129.61]

Small gasoline storage tank control (Stage 1 control)

(a) This section applies Statewide to stationary gasoline storage tanks with a capacity of greater than 2,000 gallons.

(b) A person may not transfer gasoline from a delivery vessel into a stationary gasoline storage tank unless the displaced vapors from the storage tank are transferred to the dispensing delivery tank through a vapor right return line and unless the receiving tank is equipped with a submerged fill pipe which extends from the filling orifice to within 6 inches of the bottom of the tank. The vapors collected in the dispensing tank shall be disposed of in accordance with § 129.59 or § 129.60(c) (relating to bulk gasoline terminals; and bulk gasoline plants).

(c) The dispensing delivery tank shall remain vapor tight at all times. The delivery tank may be opened after the vapors are disposed of in accordance with § 129.59 or § 129.60(c).

 # 002 [25 Pa. Code §129.62]

General standards for bulk gasoline terminals/plants, and small gasoline storage tanks

Gasoline may not be spilled or discarded in sewers or stored in open containers or handled in a manner that would result in uncontrolled evaporation to the atmosphere.

 # 003 [25 Pa. Code §129.62]

General standards for bulk gasoline terminals/plants, and small gasoline storage tanks

(a) Pursuant to 25 Pa. Code Section 129.62(b), the owner of a stationary storage tank to which 25 Pa. Code Section 129.61 applies may not permit the transfer of gasoline between a tank truck and the stationary storage tank unless the conditions in 25 Pa. Code Section 129.62 (b) are met.

(b) Pursuant to 25 Pa. Code Section 129.62(c), a person may not allow a gasoline tank truck subject to 25 Pa. Code Section 129.61 to be emptied unless the gasoline tank truck meets the requirements of 25 Pa. Code Section 129.62 (c).

SECTION E. Source Group Restrictions.

 # 004 [25 Pa. Code §129.82]

Control of VOCs from gasoline dispensing facilities (Stage II)

(a) After the date specified in paragraph (1) or (2), an owner or operator of a gasoline dispensing facility subject to this section may not transfer or allow the transfer of gasoline into a motor vehicle fuel tank unless the dispensing facility is equipped with a Department approved and properly operating Stage II vapor recovery or vapor collection system. Unless a higher percent reduction is required by the EPA under section 182 of the Clean Air Act (42 U.S.C.A. 7511a) approval by the Department of a Stage II vapor collection system will be based on a determination that the system will collect at least 90% by weight, of the gasoline vapors that are displaced or drawn from a vehicle fuel tank during refueling and the captured vapors are returned to a vapor tight holding system or vapor control system.

(1) This paragraph applies to gasoline dispensing facilities located in areas classified as moderate, serious or severe ozone nonattainment areas under section 181 of the Clean Air Act (42 U.S.C.A. 7511) including the counties of Allegheny, Armstrong, Beaver, Berks, Bucks, Butler, Chester, Delaware, Fayette, Montgomery, Philadelphia, Washington and Westmoreland with monthly throughputs greater than 10,000 gallons (37,850 liters). In the case of independent small business marketers of gasoline as defined in section 325 of the Clean Air Act (42 U.S.C.A. 7625a), this section will not apply if the monthly throughput is less than 50,000 gallons (189,250 liters).

(i) Facilities for which construction was commenced after November 15, 1990 shall achieve compliance by August 8, 1992.

(ii) Facilities which dispense greater than 100,000 gallons (378,500 liters) of gasoline per month, based on average monthly sales for the 2-year period immediately preceding February 8, 1992 shall achieve compliance by February 8, 1993.

(iii) All other affected facilities shall achieve compliance by February 8, 1994.

(2) Gasoline dispensing facilities with annual throughputs greater than 10,000 gallons in the counties of Bucks, Chester, Delaware, Montgomery and Philadelphia shall be subject to the requirements of this section immediately upon the addition or replacement of one or more underground gasoline storage tanks for which construction was commenced after February 8, 1992.

(3) For purposes of this section, the term "construction" includes, but is not limited to, the addition or replacement of one or more underground storage tanks.

(b) Owners or operators, or both, of gasoline dispensing facilities subject to the requirements of this section shall:

(1) Install necessary Stage II vapor collection and control systems, provide necessary maintenance and make modifications necessary to comply with the requirements.

(2) Provide adequate training and written instructions to the operator of the affected gasoline dispensing facility to assure proper operation of the system.

(3) Immediately remove from service and tag any defective nozzle or dispensing system until the defective component is replaced or repaired. A component removed from service may not be returned to service until the defect is corrected. If the Department finds that a defective nozzle or dispensing system is not properly tagged during an inspection, the component may not be returned to service until the defect is corrected, and the Department approves its return to service.

(4) Conspicuously post operating instructions for the system in the gasoline dispensing area which, at a minimum, include;

(i) A clear description of how to correctly dispense gasoline with the vapor recovery nozzles utilized at the site.

(ii) A warning that continued attempts to dispense gasoline after the system indicates that the vehicle fuel tank is full may result in spillage or recirculation of the gasoline into the vapor collection system.

(iii) A telephone number established by the Department for the public to report problems experienced with the system.

(5) Maintain records of monthly throughput, type and duration of any failures of the system and maintenance and repair

SECTION E. Source Group Restrictions.

records. The records shall be kept for at least 2 years and shall be made available for inspection by the Department.

(c) The owners or operators of gasoline dispensing facilities shall comply with the functional testing and certification requirements specified in EPA's Stage II Enforcement and Technical Guidance Documents developed under section 182 of the Clean Air Act to meet the Clean Air 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: NEBRASKA 2 & 3

Group Description: Boilers 058 & 059

Sources included in this group

ID	Name
058	NEBRASKA 2 BOILER (BLDG 3-05)
059	NEBRASKA 3 BOILER (BLDG 3-05)

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.11]

Combustion units

Pursuant to 25 Pa. Code Section 123.11(a)(1),

The permittee may not permit the emission into the outdoor atmosphere of particulate matter from either boiler in excess of the rate of 0.4 pound per million Btu of heat input.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The combined emissions from both boilers, Source IDs 058 and 059, shall not exceed the following on a 12-month rolling sum basis.

tons/year
NOx: 8.92
CO: 9.04

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Each boiler shall not exceed the following emission limits:

(a) when firing natural gas

Nitrogen oxides (NOx): 30 ppmdv at 3% oxygen
Carbon monoxide (CO): 50 ppmdv at 3% oxygen

(b) when firing No. 2 fuel oil
Nitrogen oxides (NOx): 90 ppmdv at 3% oxygen
Carbon monoxide (CO): 75 ppmdv at 3% oxygen

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.43c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Standard for particulate matter.

[Additional authority for this condition is from 40 CFR Section 60.10.]

(a) In accordance with 40 CFR Sections 60.43c(c) and (d),

No owner or operator of this boiler shall cause to be discharged into the atmosphere any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. This opacity standard applies at all times, except during periods of startup, shutdown or malfunction.

(b) In case of a conflict in opacity limitations between 40 CFR Section 60.43c(c) and (d) and 25 Pa. Code Section 123.41 (Section C, Condition #005), the more stringent requirement applies.

SECTION E. Source Group Restrictions.

Fuel Restriction(s).

 # 005 [25 Pa. Code §123.22]

Combustion units

(a) A person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 0.05% by weight sulfur content, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

(b) Commercial fuel oil that was stored in the Commonwealth by the ultimate consumer

(i) prior to July 1, 2016 which met the applicable maximum allowable sulfur content for commercial fuel oil through June 30, 2016 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after July 1, 2016.

(ii) prior to September 1, 2020 which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after August 31, 2020.

(c) On and after September 1, 2020, a person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 15 ppm or 0.0015% by weight for No. 2; by weight sulfur content, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

[Compliance with this streamlined permit condition assures compliance with 40 C.F.R. Section 60.42c(d).]

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is from 40 CFR Section 63.7575.]

(a) Each boiler shall be fired only with natural gas, purchased through a utility, or with commercial No.2 fuel oil, meeting the specifications in this Operating Permit.

(b) In order to limit the applicable requirements of 40 CFR Part 63 Subpart DDDDD to those in this Operating Permit,

(1) the permittee shall operate this boiler as a "unit designed to burn gas 1 subcategory," as defined in 40 CFR Section 63.7575 as follows:

"any boiler 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 that burn liquid fuel during periods of gas curtailment or gas supply interruptions of any duration are also included in this definition."

with period of gas curtailment or supply interruption defined as:

"a period of time during which the supply of gaseous fuel to an affected boiler is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under the control of a facility for the purposes of this definition. An increase in the cost or unit price of natural gas due to normal market fluctuations not during periods of supplier delivery restriction does not constitute a period of natural gas curtailment or supply interruption. On-site gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the control of the facility."

(2) the permittee shall employ a continuous oxygen trim system on this boiler that maintains an optimum air to fuel ratio.

SECTION E. Source Group Restrictions.

Throughput Restriction(s).

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The total annual combined heat input to both boilers, Source IDs 058 and 059, shall not exceed 489,600 MMBtu on a 12-month rolling basis.

(b) The total annual combined No. 2 fuel oil usage in both boilers, Source IDs 058 and 059, shall not exceed 373,738 gallons on a 12-month rolling basis.

(c) The total annual combined natural gas usage in both boilers, Source IDs 058 and 059, shall not exceed 490,000,000 standard cubic feet on a 12-month rolling basis.

II. TESTING REQUIREMENTS.

 # 008 [25 Pa. Code §123.22]

Combustion units

Pursuant to 25 Pa. Code Section 123.22(f),

(a) The actual sulfur content of commercial fuel oil shall be determined:

(1) in accordance with the sample collection, test methods and procedures specified under 25 Pa. Code § 139.16 (relating to sulfur in fuel oil); or

(2) by other methods developed or approved by the Department or the Administrator of the EPA, or both.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall perform a stack test on either boiler, Source ID 058 or 059, using the Department-approved procedures, to show compliance with the emission limits set for the source. The Source testing shall be performed within 180 days after startup of the boiler.

Source testing shall be performed for the following pollutants while firing natural gas: NOx and CO 1) in parts per million dry volume @ 3% oxygen and 2) in lb/hr. Performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

Note: Stack testing of Boiler ID 058 was completed on December 10, 2019. Review of the test report by the Department's Source Test Group is pending. The permittee may be required to perform additional testing or provide additional data in order to fulfill the test requirements, depending on the results of the review.

(b) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(c) The stack test shall, at a minimum, test for nitrogen oxides (NOx) and carbon monoxide (CO). Tests shall be conducted in accordance with the provisions of EPA Methods 7E and 10 or other Department approved methodology and 25 Pa. Code Chapter 139.

(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(e) Within sixty (60) days after the source test(s) (unless a more stringent regulatory requirement applies), one paper copy plus one electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

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(g) Once the review of the stack test results is completed by the Department's Source Test Group, the Department will evaluate the method of compliance demonstration for this source for NOx and CO for the 5-year permit term, to determine whether additional stack testing, or other methods should be used. The Department reserves the right to require stack testing for additional pollutants other than NOx and CO.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) If the permittee should ever use 175,000 gallons or more of No.2 fuel oil in both boilers, within any 12-month rolling period, the permittee shall perform a stack test using the Department-approved procedures, on one boiler to show compliance with the emission limits set for the source. The Source testing shall be performed no later than 180 days following the day the fuel oil limit in this condition is reached.

Source testing shall be performed for the following pollutants while firing No. 2 fuel oil: NOx and CO 1) in parts per million dry volume @ 3% oxygen and 2) in lb/hr. Performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

(b) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(c) The stack test shall, at a minimum, test for nitrogen oxides (NOx) and carbon monoxide (CO). Tests shall be conducted in accordance with the provisions of EPA Methods 7E and 10 or other Department approved methodology and 25 Pa. Code Chapter 139.

(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(e) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

(g) The testing described in this condition shall be on a one-time basis, unless additional testing is specifically requested by the Department.

 # 011 [25 Pa. Code §139.53]

Filing monitoring reports.

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

(a) a statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings;
(b) permit number(s) and condition(s) which are the basis for the evaluation;
(c) summary of results with respect to each applicable permit condition;
(d) statement of compliance or non-compliance with each applicable permit condition.

 # 012 [25 Pa. Code §139.53]

Filing monitoring reports.

Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3) all testing submittals, besides notifications, shall be accomplished through PSIMS* Online available through

http://www.depgreenport.state.pa.us/ecomm/Login.jsp

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when it becomes available. If internet submittal cannot be accomplished or is not available, two copies of the submittal shall be mailed to the Department.

 # 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.47c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Emission monitoring for particulate matter.

(a) Within 180 days after the initial start-up of this boiler, the permittee shall conduct a performance test using Method 9 of Appendix A-4 of 40 CFR Part 60 and the procedures in 40 CFR Part 60.11 to demonstrate compliance with the applicable opacity limit in 40 CFR Section 60.43c (Condition #004 of this section).

(b) The observation period for Method 9 may be reduced from 3 hours to 60 minutes if all 6-minutes averages are less than 10 percent and all individual 15-second observations are less than or equal to 20 percent during the initial 60 minutes of observation.

[Boeing conducted the initial performance test using Method 9 on December 18, 2017 for both Source ID 058 and 059.]

III. MONITORING REQUIREMENTS.

 # 014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The owner/operator shall monitor the usage of each fuel in this boiler on a monthly basis.

(b) The owner/operator shall monitor the total usage of each fuel in both boilers, Source IDs 058 and 059, on a monthly and on a 12-month rolling basis.

(c) Natural gas shall be monitored in standard cubic feet and No. 2 fuel oil in gallons.

(d) The owner/operator shall calculate the total heat input to both boilers, Source IDs 058 and 059, in MMBtu on a monthly and on a 12-month rolling basis.

[Compliance with the monitoring of fuel usage in paragraph (a) of this condition and its recordkeeping satisfies the requirements of 40 CFR Section 60.48c(g)(2).]

 # 015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall install and maintain a natural gas meter and a fuel oil meter at the inlet to each boiler in order to determine and record the usage of each fuel.

 # 016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.47c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Emission monitoring for particulate matter.

(a) Except as provided in sections (b), (c) and (d) of this condition, the owner/operator shall conduct subsequent Method 9 opacity tests for this boiler, when firing No. 2 fuel oil, according to the applicable schedule from paragraphs (1) through (4) of this section. The applicable schedule is determined from the results of the most recent Method 9 opacity test conducted on this boiler when firing No. 2 fuel oil:

(1) If no visible emissions are observed, a subsequent Method 9 test must be completed within 12 calendar months from the date that the most recent performance test was conducted or within 45 days of the next day that No. 2 fuel oil is combusted, whichever is later;

(2) If visible emissions are observed but the maximum 6-minute average opacity is less than or equal to 5 percent, a subsequent Method 9 performance test must be completed with 6 calendar months from the date that the most recent performance test was conducted or within 45 days of the next day that No. 2 fuel oil is combusted, whichever is later;

(3) If the maximum 6-minute average opacity is greater than 5 percent but less than or equal to 10 percent, a subsequent Method 9 performance test must be completed with 3 calendar months from the date that the most recent performance test was conducted or within 45 days of the next day that No. 2 fuel oil is combusted, whichever is later; or

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(4) If the maximum 6-minute average opacity is greater than 10 percent, a subsequent Method 9 performance test must be completed within 45 calendar days from the date that the most recent performance test was conducted.

(b) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 performance test, the owner/operator may elect to perform subsequent opacity monitoring using Method 22 and according to the procedures of 40 CFR Sections 60.47c(a)(2)(i) and (ii), as indicated in paragraphs (1) and (2) of this condition:

(1) Conduct 10-minute observations (during normal operation) each operating day the affected facility fires No. 2 fuel oil using Method 22 of Appendix A-7 of 40 CFR Part 60 and demonstrate that the sum of the occurrences of any visible emissions is not in excess of 5 percent of the observation period (i.e. 30 seconds per 10 minute period). If the sum of the occurrences of any visible emissions is greater than 30 seconds during the initial 10 minute observation, immediately conduct a 30 minute observation. If the sum of the occurrences of visible emissions is greater than 5 percent of the observation period (i.e. 90 seconds per 30 minute period), the owner or operator shall either document and adjust the operation of the facility and demonstrate within 24 hours that the sum of the occurrences of visible emissions is equal to or less than 5 percent during a 30 minute observation (i.e., 90 seconds) or conduct a new Method 9 performance test using the procedures in paragraph (a) of this condition within 45 calendar days according to the requirements in 40 CFR Section 60.45c(a)(8).

(2) If no visible emissions are observed for 10 operating days during which No. 2 fuel is used, observations can be reduced to once every 7 operating days during which No. 2 fuel is used. If any visible emissions are observed, daily observations shall be resumed.

(c) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 performance test, the owner or
operator may, as an alternative to performing subsequent Method 9 performance tests, elect to perform subsequent monitoring using a digital opacity compliance system according to a site-specific monitoring plan approved by the Administrator. The observations shall be similar, but not necessarily identical, to the requirements in 40 CFR Section 60.47c (a)(2) [part (b) of this condition].

For reference purposes in preparing the monitoring plan, see OAQPS
“Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems.” This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Policy Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods.

(d) Pursuant to 40 CFR Section 60.47c(f)(3), the permittee has the option of proposing a written site-specific monitoring plan to the permitting authority. This monitoring plan must include procedures and criteria for establishing and monitoring specific parameters for the affected facility indicative of compliance with the opacity standard. The site-specific monitoring plan will take effect upon approval by the permitting authority.

(e) All references to Method 9 in this Operating Permit refer to Method 9 of Appendix A-4 of 40 CFR Part 60.

(f) In accordance with 40 CFR Section 60.47c(a), the observation period for Method 9 performance tests may be reduced from 3 hours to 60 minutes if all 6-minutes averages are less than 10 percent and all individual 15-second observations are less than or equal to 20 percent during the initial 60 minutes of observation.

IV. RECORDKEEPING REQUIREMENTS.

 # 017 [25 Pa. Code §123.22]

Combustion units

Pursuant to 25 Pa. Code Section 123.22(g)(5),

The ultimate consumer of commercial No. 2 fuel oil shall maintain in electronic or paper format the record, obtained from the supplier, containing the following information:

(i) The date of the sale or transfer;

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(ii) The name and address of the transferor;

(iii) The name and address of the transferee;

(iv) The volume of commercial fuel oil being sold or transferred;

(v) The identification of the sulfur content of the shipment of commercial fuel oil, determined using the sampling and testing methods specified in 25 Pa. Code Section 123.22(f)(1), expressed as the following for No.2 fuel oil:

(a) Prior to September 1, 2020 -''The sulfur content of this shipment is 500 ppm or below.''
(b) On and after September 1, 2020 -''The sulfur content of this shipment is 15 ppm or below.''

(vi) The location of the commercial fuel oil at the time of transfer.

 # 018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall keep records of all notifications, performance tests, fuel analyses or other compliance demonstrations conducted for this source.

 # 019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall keep records of the maintenance performed on each boiler.

 # 020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall keep records of the fuel usage and heat input monitoring in Condition #014 of this section.

 # 021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The owner/operator shall calculate and keep records of the emissions of the following pollutants on a monthly and on a 12-month rolling sum basis: NOx and CO.

(b) Emissions factors from the most recent stack test or, if unavailable, the emissions factors from the Plan Approval application 23-0009J (NOx: 1.31 lb/hr and CO: 1.33 lb/hr when firing natural gas and NOx: 3.94 lb/hr and CO: 2.00 lb/hr when firing No. 2 fuel oil) shall be used.

(c) The permittee shall keep a record of the emission factors presented in the application at the minimum for the following pollutants: NOx, filterable PM, condensable PM, total PM10, total PM2.5, VOC, CO, sulfuric acid mist, SOx, SO2 and HAPs.

(d) The owner/operator shall include this source in applicable recordkeeping and reporting requirements performed for the facility under Mandatory Greenhouse Gas Reporting, 40 CFR Part 98.

 # 022 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

In accordance with 40 CFR Section 60.48c(f)(1), the owner/operator shall keep a record of the fuel supplier certification for No. 2 fuel oil with the following information:

(a) the name of the oil supplier;
(b) a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR Section 60.41c and;
(c) the sulfur content or maximum sulfur content of the oil.

 # 023 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

(a) In accordance with 40 CFR Section 60.48c(c)(1), the owner/operator shall keep records of the following information for each performance test conducted according to Method 9:

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(1) dates and time intervals of all opacity observation periods;

(2) name, affiliation, and copy of current visible emission reading certification for each visible emission observer participating in the performance test; and

(3) copies of all visible emission observer opacity field data sheets.

(b) For each performance test conducted according to Method 22, the owner/operator shall keep records of the following information as required by 40 CFR 60.48c(c)(2):

(1) Dates and time intervals of all visible emissions observation periods;

(2) Name and affiliation for each visible emission observer participating in the performance test;

(3) Copies of all visible emission observer opacity field data sheets; and

(4) Documentation of any adjustments made and the time the adjustments were completed to the affected facility operation by the owner or operator to demonstrate compliance with the applicable monitoring requirements.

(c) For each digital opacity compliance system or other site-specific monitoring plan, the owner or operator shall maintain records and submit reports according to the requirements specified in the site-specific monitoring plan approved by the Administrator.

 # 024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

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

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

Pursuant to 40 CFR Section 63.7540(10), the permittee shall maintain on site and submit, if requested by the Administrator, a report containing the following information:

(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, required by 40 CFR Section 63.7540 (10) and (12) (Condition #034);

(b) a description of any corrective actions taken as a part of the tune-up;

(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.

 # 025 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

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

What records must I keep?

The permittee shall keep the following records, in accordance with with 40 CFR Section 63.7555(a), (h), (i) and (j):

(a) A copy of each notification and report submitted to comply with 40 CFR Part 63 Subpart DDDDD, including all documentation;

(b) When an alternative fuel other than a gas 1 fuel is used, a record of the total hours per calendar year that the alternative fuel is burned and the total hours per calendar year that the boiler operated during periods of gas curtailment or gas supply emergencies.

V. REPORTING REQUIREMENTS.

 # 026 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

SECTION E. Source Group Restrictions.

(a) In accordance with 40 CFR Sections 60.48c(d), 60.48c(e) and (e)(11) and (j), the owner/operator of boilers subject to fuel sulfur limitations under Part 60 Subpart Dc shall keep records and submit reports to the Administrator of fuel oil usage and certification.

(1) The reporting period is each 6-month period;

(2) The report shall contain:

(i) the calendar dates covered in the reporting period;
(ii) each 30-day average fuel sulfur content (weight percent); reasons for any noncompliance with the limits and a description of the corrective actions taken;
(iii) fuel supplier certifications for fuel combusted during the reporting period;
(iv) a certified statement signed by the owner/operator that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

(3) All reports after the initial report shall be postmarked by the 30th day following the end of the reporting period.

(b) In accordance with 40 CFR Section 60.48c(c), the owner/operator shall submit reports to the Administrator of any opacity exceedances of Condition #004 of this section.

 # 027 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units

Reporting and recordkeeping requirements.

[Additional authority for this condition is derived from 25 Pa. Code Section 127.441]

(a) In accordance with 40 CFR Section 60.48c(b), the owner/operator shall submit to the Administrator the opacity performance test data from the initial and any subsequent performance test.

(b) In accordance with 40 CFR Section 60.13(c)(2), this report shall be submitted within 60 days of performance of the test.

(c) The opacity test data submitted shall include the records kept in accordance with 40 CFR Section 60.48c(c)(1).

 # 028 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

Pursuant to 40 CFR Section 63.7545(f),

The owner/operator who fires gas 1 fuels subject to 40 CFR Part 63 Subpart DDDDD and intends to use an alternate fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in 40 CFR Section 63.7575, must submit a notification of alternative fuel use to the Administrator within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in 40 CFR Section 63.7575. The notification must include the following information:

(a) company name and address;

(b) Identification of the affected unit(s).

(c) Reason natural gas or equivalent fuel is unable to be used, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.

(d) Type of alternative fuel intended to be to used.

(e) Dates when the alternative fuel use is expected to begin and end.

 # 029 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

SECTION E. Source Group Restrictions.

[Additional authority for this permit condition is from 40 CFR Section 63.9 and 25 Pa. Code Section 127.441.]

(a) In accordance with 40 CFR Sections 63.7545(c) and 63.9(b)(4),
the owner/operator shall submit a notification to the Administrator of the date of the actual startup of the boiler, delivered or postmarked within 15 days after the startup.

[Boeing submitted the startup notification for Source ID 058 on July 11, 2017 and Source ID 059 on October 19, 2017.]

(b) The owner/operator shall submit a notice to the Department of the permanent shutdown of each of the old boilers being replaced, Source IDs 033 and 039, within 30 days after its occurrence.

[Boeing submitted the shutdown notification for Source ID 033 on July 31, 2017 and Source ID 039 on April 5, 2017.]

 # 030 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

[Additional authority for this permit condition is from 40 CFR Sections 63.9(h) and 63.7530(d).]

A notification of compliance status shall be sent to the Administrator before the 60th day following completion of the initial tune-up, required under 40 CFR Part 63 Subpart DDDDD and contain the following information in addition to the information required by 40 CFR Section 63.9(h)(2),

(a) the following certification of compliance, signed by a responsible official,
"This facility complies with the required initial tune-up according to the procedures in 40 CFR Section 63.7540 (a)(10)(i) through (vi)."

(b) If there was a deviation from the requirements, a description of the deviation, its duration and the corrective action taken.

[Boeing submitted the notification of compliance status for Source ID 058 on August 28, 2017 and Source ID 059 on March 23, 2018.]

 # 031 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

[Additional authority for this permit condition is from 25 Pa. Code Section 127.441.]

Unless the EPA Administrator has approved a different schedule for submission of reports under 40 CFR Section 63.10(a),

(a) the owner/operator of a boiler subject only to a five-year tune-up, shall submit 5-year compliance reports as follows:

The first compliance report must cover the 5-year period beginning on the date of startup of the boiler and ending December 31 after the 5-year period and be postmarked or submitted no later than January 31 of the following year.

Subsequent reports shall cover the applicable 5-year periods from January 1 to December 31 and must be postmarked or submitted no later than January 31 of the year following the end of the reporting period.

(b) In accordance with 40 CFR Section 63.7550(c), the compliance report for a facility subject to the requirements for a tuneup shall contain the following information:

(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 date of the most recent tune-up and the date of the most recent burner inspection if it was not done on a 5-year

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period and was delayed until the next scheduled or unscheduled unit shutdown;

(v) 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.

(c) In accordance with 40 CFR Section 63.7550 (h)(3), the compliance report shall be submitted electronically using CEDRI that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to Subpart DDDDD is not available in CEDRI at the time that the report is due, the report shall be mailed to the Administrator.

VI. WORK PRACTICE REQUIREMENTS.

 # 032 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]

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

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

Pursuant to 40 CFR Section 63.7515(d),

the first five-year tune-up specified by 40 CFR Section 63.7540 (Condition #034), must be no later than 61 months after the initial startup of the new boiler.

 # 033 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

[Additional authority for this permit condition is from 40 CFR Section 63.7500(a)(3).]

The permittee shall operate and maintain this boiler, including any associated air pollution control and monitoring equipment in a manner consistent with safety, good air pollution control practices for minimizing emissions and manufacturer specifications.

Pursuant to 40 CFR Section, 63.7500(a)(3), 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.

 # 034 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

Additional authority for this permit condition is from 40 CFR Sections 63.7515(d), and 63.7540 (12) and (13).]

(a) Pursuant to 40 CFR Section 63.7500 (a) (1) and 40 CFR Part 63 Subpart DDDDD Table 3 No. 1,
The owner/operator of a boiler with a continuous oxygen trim system that maintains an optimum air to fuel ratio shall conduct a tune-up every 5 years, according to the requirements of 40 CFR Section 63.7540 as follows:

(1) As applicable, Inspect the burner, and clean or replace any components of the burner as necessary (the burner inspection may be delayed until the next scheduled unit shutdown, but each burner must be inspected at least once every 72 months).

(2) 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;

(3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the inspection may be delayed until the next scheduled unit shutdown;

(4) 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;

SECTION E. Source Group Restrictions.

(5) 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.

(b) Each 5-year tune-up must be conducted no more than 61 months after the previous tune-up and conform to the once in a 5-year calendar period requirement.

(c) If an oxygen trim system is not used, the tune-up frequency shall be on an annual basis with associated compliance reporting corresponding to the annual frequency described in 40 CFR Section 63.7550.

VII. ADDITIONAL REQUIREMENTS.

 # 035 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) This boiler shall be a Nebraska D-Type Model NB-100D-40, Model Year 2017, water tube, or equivalent.

(b) Low NOx burners (LNB), flue gas recirculation (FGR) and oxygen trim shall be an integral part of the boiler design.

 # 036 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

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

Pursuant to 40 CFR Sections 63.7500 (f) and 63.7505(a), the boiler must be operated in compliance with all applicable workpractice and operating limit requirements of 40 CFR Part 63 Subpart DDDDD at all times, except during startup and shutdown.

Note: 40 CFR Section 63.7500(f) exempts affected sources from the applicable workpractice and operating limit requirements except for Items 5 and 6 of Table 3 to 40 CFR Part 60 Subpart DDDDD. As units designed to burn Gas 1 fuels, there are no requirements for the boilers in Items 5 and 6 of Table 3.

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

SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

SECTION G. Emission Restriction Summary.

Source Id	Source Description
053	NEBRASKA 1 BOILER (BLDG 3-05)

Emission Limit			Pollutant
300.000	PPMV	dry, at 3% oxygen	CO
0.100	Lbs/MMBTU	when firing natural gas	NOX
0.120	Lbs/MMBTU	when firing No. 2 fuel oil	NOX
26.940	Tons/Yr	combined limit Sources 053, 054 on 12-month rolling basis	NOX
30.000	PPMV	dry, at 3% oxygen when firing natural gas	NOX
90.000	PPMV	dry, at 3% oxygen when firing No. 2 fuel oil	NOX
0.500	Lbs/MMBTU		SO2
38.860	Tons/Yr	combined limit Source 053, 054 on 12-month rolling basis	SOX
3.640	Tons/Yr	sulfuric acid mist combined limit Sources 053, 054 on 12-month rolling basis	Sulfuric Acid
0.330	Lbs/MMBTU	Source 053	TSP

054	CLEAVER BROOKS 4 BOILER (BLDG 3-05)

Emission Limit			Pollutant
300.000	PPMV	dry, at 3% oxygen	CO
26.940	Tons/Yr	combined limit Sources 053, 054 on 12-month rolling basis	NOX
30.000	PPMV	dry, at 3% oxygen when firing natural gas	NOX
90.000	PPMV	dry, at 3% oxygen when firing No. 2 fuel oil	NOX
0.500	Lbs/MMBTU		SO2
38.860	Tons/Yr	combined limit Sources 053, 054 on 12-month rolling basis	SOX
3.640	Tons/Yr	sulfuric acid mist combined limit Sources 053, 054 on 12-month rolling basis	Sulfuric Acid
0.400	Lbs/MMBTU	Source 054	TSP

055	CB - 5 BOILER (BLDG 4-14)

Emission Limit			Pollutant
11.000	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, 057, 060	CO
50.000	PPMV	dry volume at 3% oxygen when firing natural gas or No. 2 fuel oil	CO
0.027	Lbs/Hr	when firing No. 2 fuel oil	Hazardous Air Pollutants
0.093	Lbs/Hr	when firing natural gas	Hazardous Air Pollutants
0.570	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, and 057	Hazardous Air Pollutants
13.200	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, 057, 060	NOX
30.000	PPMV	dry volume at 3% oxygen when firing natural gas	NOX
90.000	PPMV	dry volume at 3% oxygen when firing No. 2 fuel oil	NOX
0.016	Lbs/MMBTU	PM10/when firing natural gas	PM10
0.033	Lbs/MMBTU	PM10/when firing No. 2 fuel oil	PM10
5.160	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, and 057	PM10
0.016	Lbs/MMBTU	PM2.5/when firing natural gas	PM2.5

SECTION G. Emission Restriction Summary.

Source Id	Source Description

0.027	Lbs/MMBTU	PM2.5/ when firing No. 2 fuel oil	PM2.5
4.980	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, and 057	PM2.5
6.290	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, and 057	SOX
0.002	Lbs/Hr	sulfuric acid mist, when firing natural gas	Sulfuric Acid
0.580	Tons/Yr	Sulfuric acid mist/ 12-month rolling basis/ total of source IDs 055, 056, and 057	Sulfuric Acid
0.940	Lbs/Hr	when firing No. 2 fuel oil	Sulfuric Acid
0.016	Lbs/MMBTU	PM when firing natural gas	TSP
0.057	Lbs/MMBTU	Pm when firing No. 2 fuel oil	TSP
5.860	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, and 057	TSP
0.002	Lbs/MMBTU	when firing No.2 fuel oil	VOC
0.006	Lbs/MMBTU	when firing natural gas	VOC
1.770	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, and 057	VOC

056 CB - 6 BOILER (BLDG 4-14)

Emission Limit			Pollutant
11.000	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, 057, 060	CO
50.000	PPMV	dry volume at 3% oxygen when firing natural gas or No. 2 fuel oil	CO
0.027	Lbs/Hr	when firing No. 2 fuel oil	Hazardous Air Pollutants
0.093	Lbs/Hr	when firing natural gas	Hazardous Air Pollutants
0.570	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, and 057	Hazardous Air Pollutants
13.200	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, 057, 060	NOX
30.000	PPMV	dry volume at 3% oxygen when firing natural gas	NOX
90.000	PPMV	dry volume at 3% oxygen when firing No. 2 fuel oil	NOX
0.016	Lbs/MMBTU	PM10/when firing natural gas	PM10
0.033	Lbs/MMBTU	PM10/when firing No. 2 fuel oil	PM10
5.160	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, and 057	PM10
0.016	Lbs/MMBTU	PM2.5/when firing natural gas	PM2.5
0.027	Lbs/MMBTU	PM2.5/when firing No. 2 fuel oil	PM2.5
4.980	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, and 057	PM2.5
6.290	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, and 057	SOX
0.002	Lbs/Hr	sulfuric acid mist, when firing natural gas	Sulfuric Acid
0.580	Tons/Yr	Sulfuric acid mist/ 12-month rolling basis/ total of source IDs 055, 056, and 057	Sulfuric Acid
0.940	Lbs/MMBTU	when firing No. 2 fuel oil	Sulfuric Acid
0.016	Lbs/MMBTU	PM when firing natural gas	TSP

SECTION G. Emission Restriction Summary.

Source Id	Source Description

0.057	Lbs/MMBTU	PM when firing No. 2 fuel oil	TSP
5.860	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, and 057	TSP
0.002	Lbs/MMBTU	when firing No. 2 fuel oil	VOC
0.006	Lbs/MMBTU	when firing natural gas	VOC
1.770	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, and 057	VOC

057 CB - 7 BOILER (BLDG 4-14)

Emission Limit			Pollutant
11.000	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, 057, 060	CO
50.000	PPMV	dry volume at 3% oxygen when firing natural gas or No. 2 fuel oil	CO
0.027	Lbs/Hr	when firing No. 2 fuel oil	Hazardous Air Pollutants
0.093	Lbs/Hr	when firing natural gas	Hazardous Air Pollutants
0.570	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, and 057	Hazardous Air Pollutants
13.200	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, 057, 060	NOX
30.000	PPMV	dry volume at 3% oxygen when firing natural gas	NOX
90.000	PPMV	dry volume at 3% oxygen when firing No. 2 fuel oil	NOX
0.016	Lbs/MMBTU	PM10/when firing natural gas	PM10
0.033	Lbs/MMBTU	PM10/when firing No. 2 fuel oil	PM10
5.160	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, and 057	PM10
0.016	Lbs/MMBTU	PM2.5/when firing natural gas	PM2.5
0.027	Lbs/MMBTU	PM2.5/when firing No. 2 fuel oil	PM2.5
4.980	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, and 057	PM2.5
6.290	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, and 057	SOX
0.002	Lbs/Hr	sulfuric acid mist, when firing natural gas	Sulfuric Acid
0.580	Tons/Yr	Sulfuric acid mist/ 12-month rolling basis/ total of source IDs 055, 056, and 057	Sulfuric Acid
0.940	Lbs/Hr	when firing No. 2 fuel oil	Sulfuric Acid
0.016	Lbs/MMBTU	PM/when firing natural gas	TSP
0.057	Lbs/MMBTU	PM/when firing No. 2 fuel oil	TSP
5.860	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, and 057	TSP
0.002	Lbs/MMBTU	when firing No. 2 fuel oil	VOC
0.006	Lbs/MMBTU	when firing natural gas	VOC
1.770	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, and 057	VOC

SECTION G. Emission Restriction Summary.

Source Id	Source Description
058	NEBRASKA 2 BOILER (BLDG 3-05)

Emission Limit			Pollutant
9.040	Tons/Yr	12-month rolling basis/total of Source IDs 058, 059	CO
50.000	PPMV	dry volume at 3% oxygen when firing natural gas	CO
75.000	PPMV	dry volume at 3% oxygen when firing No. 2 fuel oil	CO
8.920	Tons/Yr	12-month rolling basis/total of Source IDs 058, 059	NOX
30.000	PPMV	dry volume at 3% oxygen when firing natural gas	NOX
90.000	PPMV	dry volume at 3% oxygen when firing No. 2 fuel oil	NOX
0.400	Lbs/MMBTU		TSP

Source Id	Source Description
059	NEBRASKA 3 BOILER (BLDG 3-05)

Emission Limit			Pollutant
9.040	Tons/Yr	12-month rolling basis/total of Source IDs 058, 059	CO
50.000	PPMV	dry volume at 3% oxygen when firing natural gas	CO
75.000	PPMV	dry volume at 3% oxygen when firing No. 2 fuel oil	CO
8.920	Tons/Yr	12-month rolling basis/total of Source IDs 058, 059	NOX
30.000	PPMV	dry volume at 3% oxygen when firing natural gas	NOX
90.000	PPMV	dry volume at 3% oxygen when firing No. 2 fuel oil	NOX
0.400	Lbs/MMBTU		TSP

Source Id	Source Description
060	SUP-3 BOILER (BLDG 4-14)

Emission Limit			Pollutant
11.000	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, 057, 060	CO
50.000	PPMV	dry volume at 3% oxygen, when firing No. 2 fuel oil	CO
50.000	PPMV	dry volume at 3% oxygen, when firing natural gas	CO
13.200	Tons/Yr	12-month rolling basis/ total of Source IDs 055, 056, 057, 060	NOX
30.000	PPMV	dry volume at 3% oxygen, when firing natural gas	NOX
90.000	PPMV	dry volume at 3% oxygen, when firing No. 2 fuel oil	NOX
0.400	Lbs/MMBTU	particulate matter	PM10_FILT

Source Id	Source Description
061	NATURAL GAS BOILERS <10 MMBTU/HR

Emission Limit		Pollutant
0.400	Lbs/MMBTU	PM10
1.000	Lbs/MMBTU	SO2

SECTION G. Emission Restriction Summary.

Source Id	Source Description
041	EMERGENCY GENERATOR (BLDG 3-10)

Emission Limit			Pollutant
0.330	Tons/Yr		CO
4.120	Lbs/Hr		CO
1.830	Tons/Yr		NOX
22.890	Lbs/Hr		NOX
500.000	PPMV	dry basis, expressed as SO2	SOX
0.024	Tons/Yr		TSP
0.040	gr/DRY FT3		TSP
0.300	Lbs/Hr		TSP
0.200	Tons/Yr		VOC
2.500	Lbs/Hr		VOC
8.000	Tons/Yr	12 month rolling/total of sources 041, 042, 050, 051	VOC

042 (4) TURBINE GENERATORS FORMERLY 040 (BLDG 3-52)

Emission Limit			Pollutant
50.000	PPMV	corrected to 15% O2, dry basis	NOX
96.000	PPMV	dry, at 15% oxygen	NOX
150.000	PPMV	0.015% by volume@15% oxygen, dry basis	SO2
0.040	gr/DRY FT3	filterable particulate	TSP
8.000	Tons/Yr	12 month rolling/total of sources 041, 042, 050, 051	VOC
9.000	PPMV	dry, at 15% oxygen	VOC

050 NG EMERGENCY GENERATORS (18 GENERATORS)

Emission Limit			Pollutant
500.000	PPMV	dry basis, expressed as SO2	SOX
0.040	gr/DRY FT3		TSP
8.000	Tons/Yr	12 month rolling/total of sources 041, 042, 050, 051	VOC

051 CI EMERGENCY GEN & DIESEL FIRE PUMP (BLDG 3-52,3-19,3-28B)

Emission Limit			Pollutant
500.000	PPMV	dry basis (expressed as SO2)	SOX
0.040	gr/DRY FT3		TSP
8.000	Tons/Yr	12 month rolling/total of sources 041, 042, 050, 051	VOC

110 PAINT STRIPPER (FACILITY WIDE)

Emission Limit			Pollutant
1.000	Tons/Yr	12-month rolling basis	VOC

171 TOUCH & REPAIR BOOTH (BLDG 3-06)

Emission Limit		Pollutant
0.040	gr/DRY FT3	TSP

SECTION G. Emission Restriction Summary.

Source Id	Source Description

213 3-12 DEGREASER 11-088308

Emission Limit			Pollutant
150.000	kg	per m2 of solvent-air interface, averaged over 3 consecutive months	Hazardous Air Pollutants
20.200	Tons/Yr	Total of degreasers (Source 213)	VOC

214 BLDG 3-12 VACUUM DEGREASER (BCC#30991)

Emission Limit			Pollutant
500.000	kg/Mth	averaged over 3 consecutive months	Hazardous Air Pollutants
2.700	Tons/Yr		VOC

216 CLEANING SOLVENT EMISSION

Emission Limit			Pollutant
29.000	Tons/Yr	spray gun cleaning, 12-month rolling basis	VOC
181.000	Tons/Yr	solvent wiping, 12-month rolling basis	VOC

218 MISC COLD DEGREASERS

Emission Limit			Pollutant
4.500	Tons/Yr	12 month rolling	VOC

228 FREKOTE EXHAUST BOOTH # 1 (BLDG 3-07)

Emission Limit			Pollutant
0.040	gr/DRY FT3		TSP
16.000	Tons/Yr	12 month rolling	VOC

229 FREKOTE EXHAUST BOOTH #2 (BLDG 3-07)

Emission Limit			Pollutant
0.830	Tons/Yr	12-month rolling basis	VOC

251 COMPOSITE MANUFACTURING (BLDG 3-07)

Emission Limit			Pollutant
8.500	Tons/Yr	excluding adhesives, etc., 12-month rolling basis	VOC

300A BLDG 3-80 BAY 3 SPRAY BOOTH

Emission Limit			Pollutant
0.025	Tons/Yr	total of Bay 2, Bay 3 and Bay 4 - Inorganic HAPs - 12 month rolling sum basis	Hazardous Air Pollutants
0.330	Lbs/Hr	total of Bay 2, Bay 3 and Bay 4 - Inorganic HAPs	Hazardous Air Pollutants
6.830	Tons/Yr	total of Bay 2, Bay 3 and Bay 4 - organic HAPs - 12 month rolling sum basis	Hazardous Air Pollutants
40.500	Lbs/Hr	total of Bay 2, Bay 3 and Bay 4 - organic HAPs	Hazardous Air Pollutants
0.120	Tons/Yr	total of Bay 2, Bay 3 and Bay 4 - PM/PM10/PM2.5 on 12-month rolling basis	PM10
0.610	Lbs/Hr	total of Bay 2, Bay 3 and Bay 4 - PM/PM10/PM2.5	PM10
0.120	Tons/Yr	total of Bay 2, Bay 3 and Bay 4 - PM/PM10/PM2.5 on 12-month rolling basis	PM2.5

SECTION G. Emission Restriction Summary.

Source Id	Source Description

0.610	Lbs/Hr	total of Bay 2, Bay 3 and Bay 4 - PM/PM10/PM2.5	PM2.5
0.120	Tons/Yr	total of Bay 2, Bay 3 and Bay 4 - PM/PM10/PM2.5 on 12-month rolling basis	TSP
0.610	Lbs/Hr	total of Bay 2, Bay 3 and Bay 4 - PM/PM10/PM2.5	TSP
17.200	Tons/Yr	total of Bay 2, Bay 3 and Bay 4 - 12-month rolling basis	VOC
62.500	Lbs/Hr	total of Bay 2, Bay 3 and Bay 4	VOC

300B BLDG 3-80 BAY 4 SPRAY BOOTH

Emission Limit			Pollutant
0.025	Tons/Yr	total of Bay 2, Bay 3 and Bay 4 - Inorganic HAPs - 12 month rolling sum basis	Hazardous Air Pollutants
0.330	Lbs/Hr	total of Bay 2, Bay 3 and Bay 4 - Inorganic HAPs	Hazardous Air Pollutants
6.830	Tons/Yr	total of Bay 2, Bay 3 and Bay 4 - organic HAPs - 12 month rolling sum basis	Hazardous Air Pollutants
40.500	Lbs/Hr	total of Bay 2, Bay 3 and Bay 4 - organic HAPs	Hazardous Air Pollutants
0.120	Tons/Yr	total of Bay 2, Bay 3 and Bay 4 - PM/PM10/PM2.5 on 12-month rolling basis	PM10
0.610	Lbs/Hr	total of Bay 2, Bay 3 and Bay 4 - PM/PM10/PM2.5	PM10
0.120	Tons/Yr	total of Bay 2, Bay 3 and Bay 4 - PM/PM10/PM2.5 on 12-month rolling basis	PM2.5
0.610	Lbs/Hr	total of Bay 2, Bay 3 and Bay 4 - PM/PM10/PM2.5	PM2.5
0.120	Tons/Yr	total of Bay 2, Bay 3 and Bay 4 - PM/PM10/PM2.5 on 12-month rolling basis	TSP
0.610	Lbs/Hr	total of Bay 2, Bay 3 and Bay 4 - PM/PM10/PM2.5	TSP
17.200	Tons/Yr	total of Bay 2, Bay 3 and Bay 4 - 12-month rolling basis	VOC
62.500	Lbs/Hr	total of Bay 2, Bay 3 and Bay 4	VOC

301 BLDG 4-04 DETAIL PAINT BOOTHS (2)

Emission Limit			Pollutant
0.005	Tons/Yr	0.0054 tons/yr - inorganic HAPs, 12-month rolling basis, total of 311B, 301	Hazardous Air Pollutants
1.860	Tons/Yr	1.86 tons/yr - organic HAPs, 12-month rolling basis, total of 311B, 301	Hazardous Air Pollutants
0.020	gr/DRY FT3		PM10_FILT
0.036	Tons/Yr	particulate matter (PM, PM10 and PM2.5), 12-month rolling basis, total of 311B, 301	PM10_FILT
6.730	Tons/Yr	12-month rolling basis, total of 311B, 301	VOC

302 BLDG 3-12 SPRAY BOOTHS

Emission Limit			Pollutant
0.017	Tons/Yr	inorganic HAPs	Hazardous Air Pollutants
0.130	Lbs/Hr	inorganic HAPs	Hazardous Air Pollutants

SECTION G. Emission Restriction Summary.

Source Id	Source Description

1.600	Tons/Yr	organic HAPs	Hazardous Air Pollutants
13.100	Lbs/Hr	organic HAPs	Hazardous Air Pollutants
0.020	gr/DRY FT3	PM10/PM2.5	PM2.5
0.031	Tons/Yr	PM10/PM2.5	PM2.5
0.190	Lbs/Hr	PM10/PM2.5	PM2.5
3.600	Tons/Yr		VOC
13.100	Lbs/Hr		VOC

303 TWO (2) SPRAY BOOTHS (BLDG 3-73)

Emission Limit		Pollutant
0.040	gr/DRY FT3	TSP

304 BLDG 3-07 SPRAY BOOTHS

Emission Limit		Pollutant
0.040	gr/DRY FT3	TSP

308 BUILDING 3-25 SPRAY BOOTH

Emission Limit			Pollutant
0.001	Tons/Yr	12 month rolling - Inorganic HAPs	Other 112
0.060	Lbs/Hr	Inorganic HAPs	Other 112
0.300	Tons/Yr	12 month rolling - Organic HAPs	Other 112
9.500	Lbs/Hr	Organic HAPS	Other 112
0.013	Tons/Yr	12 month rolling sum Particulate Matter	TSP
0.300	Lbs/Hr	Particulate Matter	TSP
1.300	Tons/Yr	12 month rolling sum	VOC
37.100	Lbs/Hr		VOC

309 BLDG 3-80 BAY 2 SPRAY BOOTH

Emission Limit			Pollutant
0.025	Tons/Yr	total of Bay 2, Bay 3 and Bay 4 - Inorganic HAPs - 12 month rolling sum basis	Hazardous Air Pollutants
0.330	Lbs/Hr	total of Bay 2, Bay 3 and Bay 4 - Inorganic HAPs	Hazardous Air Pollutants
6.830	Tons/Yr	total of Bay 2, Bay 3 and Bay 4 - organic HAPs - 12 month rolling sum basis	Hazardous Air Pollutants
40.500	Lbs/Hr	total of Bay 2, Bay 3 and Bay 4 - organic HAPs	Hazardous Air Pollutants
0.120	Tons/Yr	total of Bay 2, Bay 3 and Bay 4 - PM/PM10/PM2.5 on 12-month rolling basis	PM10
0.610	Lbs/Hr	total of Bay 2, Bay 3 and Bay 4 - PM/PM10/PM2.5	PM10
0.120	Tons/Yr	total of Bay 2, Bay 3 and Bay 4 - PM/PM10/PM2.5 on 12-month rolling basis	PM2.5
0.610	Lbs/Hr	total of Bay 2, Bay 3 and Bay 4 - PM/PM10/PM2.5	PM2.5
0.120	Tons/Yr	total of Bay 2, Bay 3 and Bay 4 - PM/PM10/PM2.5 on 12-month rolling basis	TSP

SECTION G. Emission Restriction Summary.

Source Id	Source Description

0.610	Lbs/Hr	total of Bay 2, Bay 3 and Bay 4 - PM/PM10/PM2.5	TSP
17.200	Tons/Yr	total of Bay 2, Bay 3 and Bay 4 - 12-month rolling basis	VOC
62.500	Lbs/Hr	total of Bay 2, Bay 3 and Bay 4	VOC

311B BLDG 3-57 V-22 SECTIONS/ AIRCRAFT PAINT BOOTH

Emission Limit			Pollutant
0.005	Tons/Yr	0.0054 tons/yr - Inorganic HAPs, 12-month rolling basis, total of 311B, 301	Hazardous Air Pollutants
1.860	Tons/Yr	1.86 tons/yr Organic HAPs, 12-month rolling basis, total of 311B, 301	Hazardous Air Pollutants
0.020	gr/DRY FT3	0.02 gr particulate matter, dry, standard cf basis	PM10_FILT
0.036	Tons/Yr	particulate matter (PM, PM10 and PM 2.5), 12-month rolling basis, total of 311B, 301	PM10_FILT
6.730	Tons/Yr	6.73 tons/yr -12-month rolling basis, total of 311B, 301	VOC

311D BLDG 3-57 V-22 WASH & SAND BOOTH

Emission Limit			Pollutant
0.020	gr/DRY FT3	particulate matter, on dry standard cubic feet basis	PM10_FILT

Site Emission Restriction Summary

Emission Limit	Pollutant

SECTION H. Miscellaneous.

(A) The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements, in Section C, of this permit, do not require additional limitations, monitoring, or recordkeeping

1) Combustion Sources whose rated capacity is less than 2.5MMBtu/h and the actual VOC and NOx emissions are minimal.
2) Hot Water Heaters
including
1-1.2 MMbtu/hr natural gas fired
unit Bldg 3-02 (RFD 1732)
2-0.50 MMBtu/hr each natural gas fired hot
water boilers Bldg 3-52 (RFD 4066)
1-399,000 Btu/hr , natural gas fired Model
HWT-399-V500 (Bldg 3-28)(RFD 5079)
1- 500,000 Btu/hr natural gas fired Lochivar Model Armor AWN-501 PM/AW-501 (Bldg 3-10)(RFD 5201)

3) Gas Unit Heaters
4) Air Conditioners
5) Infra-red Heaters
6) Autoclaves
7) Ovens
8) Make-up air units
9) Bulk Hazardous Materials
10) Portable Diesel or Gas Power Supply Engines
11) Bldg 3-12 Paint Stripper (Total HAP emissions (non-VOC) are 0.11 TPY or 0.6 lb/day)
12) Lead Pot
13) Kirksite Pot
14) Salt Bath
15) Drop Bottom Furnace
16) HMMP Operations
17) Boiler (3-03)
18) Door Heaters
19) Gas Radiant Heaters
20) Heat and Vent Units
21) Air Handlers
22) Room Handlers
23) Plating, Anodizing and Aqueous Chemical Processing Tanks
24) Cutting and Finishing Equipment
25) 5-trailer mounted light towers, each operated by 6 kWe generator (RFD 247)
26) Shot Blast Unit, Bldg 3-57 (RFD 1756)
27) 2-30,000 gal No 2 fuel oil tanks. (RFD 1826)
28) 1-20,000 gal JetA/kersosene tank (RFD 3764)

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(B)The following previously issued Operating Permit(s) serve(s) as the basis for certain terms and conditions set forth in this Title V Permit:
RACT OP-23-0009, which replaced and revised the original Compliance Permit CP-23-0009 and incorporated the following Plan Approvals:
(a) 23-318-023A
(b) 23-318-036
(c) 23-318-038

_____

(C) The capacities for the sources listed in Section A are for informational purposes are not enforceable.

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(D) Approved Alternate Monitoring Method

[Compliance with the requirements in this streamlined permit condition assures compliance with 25 Pa. Code §§129.52 and 129.73]

SECTION H. Miscellaneous.

(a) "Regulated coating material" shall mean any coating or specialty coating material regulated under 25 Pa. Code §§129.52 or 129.73.

(b) Permittee shall keep a current list of regulated coating materials in use showing VOC content of each material as applied (i.e., "that is actually used to coat the substrate"). Coatings regulated under 25 Pa. Code §129.73 shall also be categorized in accordance with Table II of 25 Pa. Code §129.73.

(c) Permittee shall keep daily records of the name, identification number and volume of regulated coating materials as supplied to the facility (i.e., "sold and delivered to the end user"). Coatings regulated under 25 Pa. Code §129.73 shall also be categorized in accordance with Table II of 25 Pa. Code §129.73 showing usage on an annual basis.

(d) Except for regulated coating materials that are supplied to Permittee as single component materials or as kitted multiple component materials (and as such the "as supplied" VOC content information is equivalent to the "as applied" VOC), Permittee shall keep a record of the mix ratio of each regulated coating material in use as supplied to the facility.

(e) Permittee shall keep a record of the density/specific gravity and VOC content of each regulated coating material in use as supplied to the facility.

(f) The VOC content of each regulated coating material shall be determined via vendor specification and/or SDS information or calculated using parameters such as the as supplied weight percent of total volatiles, weight percent of water, weight percent of solids, weight percent of exempt solvents and/or volume percent of solids. If a calculation is used by Permittee to determine VOC content, then records of information used in performing the calculation shall be kept.

(g) As regulated under 25 Pa. Code §129.73, Permittee shall keep a current list of cleaning solvents used and annual usage for hand wiping solvents including the water content of aqueous and semiaqueous solvents and the vapor pressure and composite vapor pressure of all vapor pressure compliant solvents and solvent blends.

(h) As regulated under 25 Pa. Code §129.73, Permittee shall keep a current list and annual usage information for exempt hand-wipe cleaning solvents with a vapor pressure greater than 45 millimeters of mercury (mmHg) used in exempt hand-wipe cleaning operations.

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(E) REPORTING SCHEDULE

On or before April 1 of each year:
(a) Title V compliance Certification and Aerospace NESHAP Annual Report for the period of January through December of the previous year.

(b) Title V Semi-Annual Monitoring/Deviations report (as required) and Aerospace NESHAP Semiannual Monitoring Report for the period of July through December of the previous year.

On or before October 1 of each year:
(a) Title V Semi-Annual Monitoring/Deviations report (as required) and Aerospace NESHAP Semiannual Monitoring Report for the period of January through June of the current year.

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F. APS ID: 345735

This issuance of the Title V Operating Permit incorporates Plan Approval 23-0009E and RFD 827.

_____

G. Source ID 229 Frekote Exhaust Booth #2 represents 0.83 tons/yr de minimis VOC increase, authorized under RFD 827.

_____

H. December 2015. APS ID: 345735; Auth: 998243

This issuance of the Operating Permit incorporates Plan Approval 23-0009F, 23-0009G and 23-0009H and the following RFDs: 247, 824, 871, 1732, 1756, 1826, 1841, 1842, 2502, 2789, 3764, 3929, 4063, 4066, 4707, 4858, 5079, 5201, 5205

SECTION H. Miscellaneous.

General
Responsible official was changed to Gary A Baker

Section A
The Site Inventory List & Permit Maps were updated as specified in Tables 1B, 2B, 3B and 4B of the Review Memo.

Condition numbers for Sections C and D refer to the August 27, 2009 issuance of the Operating Permit.

Section C
The following conditions were updated to reflect current DEP guidelines.

#002
#003
#006
#007
#010
#012
#014
#016

The following conditions were added in accordance with DEP guidelines:
*Recordkeeping for emissions increases
* Reporting to DEP and EPA for NSPS and MACT regulations was included in Section C rather than with individual sources.

A schedule for demonstrating compliance with Section D Source ID 054 Condition #011 of the August 27, 2009 issuance of the Operating Permit (and herein) is included.

Section D
boilers:033,039,053,054,055,056,057
*the requirements of MACT Subpart DDDDD were included
*25 Pa. Code Sections 123.22 and 139.16 fuel requirements were updated
boilers: 053, 054, 055, 056, 057
*NSPS Subpart Dc opacity testing was updated
*Option of submission of a site-specific opacity monitoring plan to the permitting authority was included.

053
Condition #008
*In accordance with DEP guidelines a condition
was added allowing the permittee to request an extension of stack testing deadlines
* natural gas was specified as the fuel to be used during testing with additional testing with fuel oil if 10% or more of the total heat input to the boiler in any year during the permit term was exceeded.

Condition #014
The condition was removed as redundant with Subpart DDDDD work practice requirements.

Condition #013
The reporting condition was reworded for language consistency with the other boilers.

Additional Testing
Requirements of 25 Pa. Code Section 139.3(b) relating to report preparation and PSIMS testing submittals were included.
Additional Requirements
Requirements of the CAM Plan pursuant to 40 CRF Section 64 were included.

054
Condition #003
The condition is removed as redundant with Section C Condition #005.

Condition #011

SECTION H. Miscellaneous.

The once in 5-year compliance demonstration was replaced with annual portable analyzer monitoring.
Stack testing will be upon request of the Department.

However, the condition is maintained as a one-time demonstration of compliance with the condition in the August 27, 2009 permit issuance, unless additional testing is specifically requested by the Department.

boilers & generators: 033, 039, 041, 042,050, 051
A recordkeeping condition is added for VOC emissions on a monthly & 12-month rolling basis.

040
*The classification of the turbine generators was corrected from "combustion unit" to "process".
*With the re-classification the Source ID was changed to 042.

Condition #007
Other middle distillate fuels are allowed in addition to Jet A, subject to nitrogen limits and approval of a new custom monitoring plan for sulfur and nitrogen.

Condition #008
Each turbine was restricted to 850 hours of operation rather than 1200.

Condition #012
The requirement to submit a new custom monitoring plan to EPA in case an alternate fuel other than Jet A is used was added.

041
A requirement restricting operation of the engine as an emergency engine as defined by MACT Subpart ZZZZ in order to avoid the requirements of the Subpart is added.

050
Condition #009
The list of engines is updated and the engines were categorized by 40 CFR Part 63 Subpart ZZZZ and 40 CFR Part 60 Subpart JJJJ applicability.

050A, 050B, 050C
These Source IDs enumerate the requirements of MACT Subpart ZZZZ and/or NSPS Subpart JJJJ for Source ID 050 engines in the respective category.

051
Condition #004
The list of engines was updated and moved to the Additional Requirements section. Engines are categorized by MACT Supart ZZZZ and NSPS Subpart IIII applicability.

051A, 051B, 051C
These Source IDs enumerate the requirements of MACT Subpart ZZZZ or NSPS Subpart IIII for 051 engines in the respective category.

050 and 051
050 (Condition #005) and 051 (Condition #007)
The condition was clarified by adding "of each engine" to the monitoring condition for hours of operation.

Additional
Conditions were included limiting the group of Plan Approval exempt engines to 6.6 tons NOx/year and 2.75 tons NOx/ozone season with monitoring and recordkeeping conditions for NOx.

201,202
Condition #001 was removed since keeping a record of the certification is applicable to the tank truck owner.

Additional
The requirements of 25 Pa. Code Section 129.62 pertaining to the transfer of gasoline between a tank truck and a storage tank

SECTION H. Miscellaneous.

were added.

194, 213
Condition #003
The regulatory references for the governing equations were clarified or corrected.

Condition #004
The requirement of NESHAPs Subpart T to monitor the recordkeeping of solvent additions and deletions for sources complying with 40 CFR Section 63.464 was included.

Condition #010
Use of ADI M970030 in performing emissions calculations was clarified.

Additional
A notation was made that the degreaser complies with the alternative standards of 40 CFR Section 63.464 rather than the standard requirements of 40 CFR Section 63.463.

213
Additional
Model number and specifications for the new degreaser were included.

216
Condition #009
A condition indicating the equivalency of a flip top on a bottle in an "up" and "down" position was included.

*RACT references were added to the following conditions: #004, #008, #010, #013

251
*RACT references were added to the following conditions: #002, #003, #005.

301
Condition #019
A statement indicating that the permittee may comply with the requirements for a 2-stage filter by using a 3-stage or 3-stage equivalent filter was added.

302
Condition #006(b)(1)
A statement indicating that the permittee may comply with the requirements for a 2-stage filter by using a 3-stage or 3-stage equivalent filter was added.

302, 308
Additional
*Work Practice, Recordkeeping and Reporting Requirements are added allowing the use of 3-stage equivalent filters with notice and approval by the Department for Booth no. 3 (302) and 308. Systems already approved are noted.

303, 304
Condition #019
A statement indicating that the permittee may comply with the requirements for a 2-stage filter by using a 3-stage or 3-stage equivalent filter was added.

The following changes were made with the incorporation of Plan Approval 23-0009G. References are to conditions in the July 14, 2011 issuance of the Plan Approval.

Requirements of MACT Subpart DDDDD were included. Requirements of NSPS Dc (including option to submit a site specific opacity monitoring plan to the permitting authority) and 25 Pa. Code Section 123.22 were updated.

Condition #001 was removed as redundant with Section C Condition #005.

Conditions #007 and #013 were removed as they are covered by Subpart DDDDD.

SECTION H. Miscellaneous.

Condition #009
The condition was updated to stack testing on a once in 5 year basis for CO and NOx on one representative boiler.

Conditions #010 and #013 were removed as the required testing was completed.

Conditions #023 and #024 were removed as the required notice was given.

Conditions #025 and #026 are combined for consistency among all NSPS Subpart Dc affected boilers.

Condition #028 was combined with the requirements of Subpart DDDDD.

Condition #030 was removed as it was completed.

Additional
Identification of each boiler is included.

The following changes were made with the incorporation of Plan Approval 23-0009H. References are to conditions in the August 15, 2012 issuance.

Section C
The spot paint striping requirements of 40 CFR Part 63 Subpart GG (Conditions #001 and #003) were included in Section D Source ID 110.

Section D
300A, 300B
Conditions #001 and #020(b) were removed since the required notification was given.
Section G
*The insignificant source listing was updated.
*The RFDs incorporated in the Operating Permit were listed.
*Changes made with the renewal issuance were noted.

_____
December 2016. APS ID: 345735; Auth ID: 1156454
This issuance of the Operating Permit incorporates RACT II alternative method of compliance for Composite Manufacturing (Source ID 251) and includes a limit of 1.0 ton/year for the Paint Stripper source (Source ID 110). Presumptive RACT II conditions and citations are included for all sources where applicable.

The following sources are exempt from RACT II, pursuant to 25 Pa. Code Section 129.96.
Requirements needed to demonstrate the exemption are included with the conditions for the source, where applicable.
110, 171, 194, 201, 202, 213, 216, 218, 228, 229, 300A, 300B, 301, 302, 303, 304, 305, 307, 308, 309

Specific changes made to the permit are as follows.
Condition numbers refer to this issuance.

Section A
A fugitive emission point was added for Composite Manufacturing in the Site Inventory and Permit Maps for more accurate depiction.

Section C
Compliance Schedule was removed since submissions have been made.

Section D

Source ID 033, 039

Condition #003, #009, #12,#014
*Citation added “and 25 Pa. Code Sections 129.96 -129.100”

Condition #012

SECTION H. Miscellaneous.

*Replaced RACT 1 citation with RACT2
*Removed requirement for a bound book & include “at a minimum” per RACT 2

Condition #021
*Added citation “and 25 Pa. Code Sections 129.96 -129.100”
Edit to match 25 Pa. Code Section 129.97(b)(1)
Add paragraph(c) to satisfy RACT II with biennial tune-up & conditions

Condition #022
*Changed the condition reference to #023

Condition #023
*Referenced tune-up requirements of 25 Pa. Code Sections 129.91 -129.95 and 129.96 – 129.100.
*Removed the ability to delay inspections.

Condition #026
*The phrase “unless superseded by a more stringent regulation” is added

Source ID 053

Condition #003
*Added citation 129.96 – 129.100
*Added condition 129.97(g)(1)(i) and (ii)

Condition #010
*Added citation 129.96 – 129.100
*Revised testing schedule to include requirements of 129.100(a)(4)
of 1x testing for each fuel in each 5-year calendar period & testing for each fuel

Conditions #016, #017, #025, #035, #041
The CAM completion dates were noted

Condition #044
*The phrase “unless superseded by a more stringent regulation” was added

Source ID 054
Condition #011
*A note was included that testing was performed on 1/20/2016 & report submitted 2/11/2016, which are under review by DEP.

Condition #019
*The recordkeeping requirements for the RACT 2 tune-up (25 Pa. Code Section 129.100((g)) were added.
*the citation 25 Pa. Code Sections 129.96 – 129.100 was added

Condition #031
*requirements of 129.97(b)(2) included where more stringent, e.g. ability to delay inspections was removed
*requirement for testing 1 x in a 5-year period was included, inspection applies to all fuel burning equipment.

Condition #032
The phrase “unless superseded by a more stringent regulation” was added

Sources 055, 056, 057

Condition #021
*The recordkeeping requirements for the RACT 2 tune-up (25 Pa. Code Section 129.100((g)) were added.
* The citation 129.96 – 129.100 was added.

Condition #030

SECTION H. Miscellaneous.

*requirements of 129.97(b)(2) were included where more stringent, e.g. ability to delay inspections removed
*requirement for testing 1 x in a 5-year period was included, inspection applies to all fuel burning equipment.

Condition #033
The phrase “unless superseded by a more stringent regulation” was added

Source 041
Conditions #003, #007, #008, #009, #010
Added citation “and 25 Pa. Code Section 129.96 -129.100”

Conditions #008, #010
*Added citation “and 25 Pa. Code Section 129.96 -129.100”
*Added monthly & 12-month rolling tracking

Source 042

Conditions #003, #014, #018
*Added citation “and 25 Pa. Code Section 129.96 -129.100”

Condition #004
Added NOx & VOC limits from 25 Pa. Code Section 129.97(g)(2)(iii)

Additional testing
*Added once in 5- year NOx and hydrocarbon testing for RACT2
* Added 2 conditions regarding test report submission

Source 050
Condition #004, #008
Added citation “and 25 Pa. Code Section 129.96 -129.100”

Condition #005
*Replaced citation with 25 Pa. Code Section 129.96 – 129.100
* revised condition to require fewer than 500 hours of operation

Condition #006, #009 (a)
*Added citation “and 25 Pa. Code Section 129.96 -129.100”
*Added requirement for monthly & 12-month rolling hours calculation

Condition #010
*Replaced the citation with 25 Pa. Code Section 129.96 – 129.100
*Revised the requirement to 25 Pa. Code Section 129.97(c), concerning use of both manufacturer’s specification and good operating practices.

Source 051
Condition #004, #009
Added citation “and 25 Pa. Code Section 129.96 -129.100”

Condition #005
*Replaced citation with 25 Pa. Code Section 129.96 – 129.100
* revised condition to require fewer than 500 hours of operation

Condition #007, #0010 (a)
*Added citation “and 25 Pa. Code Section 129.96 -129.100”
*Added requirement for monthly & 12-month rolling hours calculation

SECTION H. Miscellaneous.

Condition #011
*Replaced the citation with 25 Pa. Code Section 129.96 – 129.100
*Revised the requirement to 25 Pa. Code Section 129.97(c), concerning use of
both manufacturer's specification and good operating practices

Source ID 110
The emission limitation of 1.0 tons/year and associated monitoring and recordkeeping conditions were added with the citation 25 Pa. Code Sections 129.96 - 129.100..

Source 231

Condition #001
*Added recordkeeping to demonstrate that potential to emit is less than 2.7 tons/year.

Condition #002
* Added presumptive RACT work practice 25 Pa. Code Section (c) concerning operation in accordance with manufacturer's specification and good operating practice

Source ID 251
The authority of 25 Pa. Code Section 129.99 was added to conditions #001,#002, #003, #004, #005.

Additional Condition
Process Design and Material Selection is identified as comprising Reasonably Available Control Technology, pursuant to 25 Pa. Code Section 129.96 – 129.100.

_____
March 2021. APS ID: 345735; Auth ID: 1310617
This issuance of the Operating Permit incorporated the following:
- Plan Approval 23-0009J (Source IDs 058 and 059)
- Plan Approval 23-0009K (Source IDs 060, 311B, 311D and former 043 now included in Source ID 050C)
- RFD #: 5463, 5711, 6353, 6515, 6638, 6758, 6892, 7032, 7109, 7147, 7172, 7181, 7531, 7685, 7698, 7804, 8289, and 8704.

The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements in section C, of this permit, do not require additional limitations, monitoring, or recordkeeping:

- Abrasive Blast System Modification bldg. 3-12 (RFD# 5463)
- F-18 Process Area, Bldg 3-07 (RFD# 6638)
- 1- 29,600 gal No.2 Fuel Oil Tank, Bldg 3-05 (RFD# 6758)
- #2 Portable Diesel Air Compressors (RFD# 7147)
- Wet Filter Dust Booth, Bldg 3-12 (RFD# 7032)
- Vacuum Systems, Bldg 3-57 (RFD# 7531 and 7698)
- Wet Filter Dust Booth, Bldg 3-60 (RFD# 8289)

Detailed description of changes applied to the permit conditions are presented in the review memo for this permit renewal.

Responsible Official and Permit Contact Person were changed to the following:

Responsible Official:
Jeffery Webb
Director, Vertical Lift Operations
PO BOX 16858, MC P01-29
Philadelphia, PA 19142-0858

Permit Contact Person:
Allen R. Kramer Jr
Manager, Environment Health and Safety
Phone: 610-591-3197
Email: allen.r.kramer@boeing.com

SECTION H. Miscellaneous.

November 2021. APS No.345735; AUTH ID 1368074

Minor modification to Operation Permit No. 23-00009 completed to update monitoring approach to the FGR Damper position for Nebraska Boiler 1. The following changes were made to Section D of the permit relating to the CAM Plan for the Nebraska Boiler Source ID No. 053:

Conditions #017 and #026
Language updated from “damper position display” to “damper position indicator”

Condition #042
The operating damper position updated as follows: from “39% - 41%” to “93%” open when firing fuel oil; and from “99% or more” to “100%” open when firing natural gas.

March 2023. APS No.345735; AUTH ID 1423516 (Minor Modification): This minor modification will change the fuel sulfur content limit of four turbine generators (Source ID 042) from of 0.2 percent by weight to a fuel sulfur content limit of 0.3 percent by weight. Regulations for RACT III were promulgated on November 12, 2022, and DEP is taking this opportunity to update the conditions of the permit to reflect the requirements from RACT III. With this action we addressed Presumptive RACT III.

****** End of Report ******