COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date:	August 10, 2021	Effective Date:	October 10, 2023
Revision Date:	October 10, 2023	Expiration Date:	August 31, 2026
Revision Type:	Modification, Significant		

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

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

TITLE V Permit No: 36-05014

Federal Tax Id - Plant Code: 88-2321071-2

Owner Information

Name: ARCONIC US LLC
Mailing Address: 1480 MANHEIM PIKE
LANCASTER, PA 17601-3152

Plant Information

Plant: ARCONIC US LLC/LANCASTER
Location: 36 Lancaster County 36937 Manheim Township
SIC Code: 3355 Manufacturing - Aluminum Rolling And Drawing, Nec

Responsible Official

Name: JOHN A NIED
Title: VP
Phone: (717) 207 - 1579 Email: John.Nied@arconic.com

Permit Contact Person

Name: MAGGIE PAGELS
Title: ENV ENG
Phone: (717) 207 - 1549 Email: Margaret.Pagels@arconic.com

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

SECTION A. Table of Contents

Section A. Facility/Source Identification

Section B. General Title V Requirements

Section C. Site Level Title V Requirements

Section D. Source Level Title V Requirements

SECTION A. Table of Contents

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput		Fuel/Material
035	SPACE HEATERS AND OTHER MISC NATURAL GAS USAGE	47.100	MMBTU/HR	
		46.180	MCF/HR	Natural Gas
037	COLD MILL BOILER	1.750	MMBTU/HR	
		1.720	MCF/HR	Natural Gas
C01A	NO. 5 HOLDING FURNACE/IN-LINE FLUXER	12.300	MMBTU/HR	
		11.710	MCF/HR	Natural Gas
C01B	NO. 6 HOLDING FURNACE/IN-LINE FLUXER	12.300	MMBTU/HR	
		11.710	MCF/HR	Natural Gas
C01C	NO. 7 HOLDING FURNACE/IN-LINE FLUXER	9.840	MMBTU/HR	
		9.370	MCF/HR	Natural Gas
C01D	NO. 8 HOLDING FURNACE/IN-LINE FLUXER	12.300	MMBTU/HR	
		11.710	MCF/HR	Natural Gas
C01E	NO. 9 HOLDING FURNACE/IN-LINE FLUXER	12.300	MMBTU/HR	
		11.710	MCF/HR	Natural Gas
C01F	NO. 10 HOLDING FURNACE/IN-LINE FLUXER	15.380	MMBTU/HR	
		14.650	MCF/HR	Natural Gas
107	DROSS PROCESSING LINE	12.000	Tons/HR	ALUMINUM DROSS
122	COLD ROLLING MILL - BLISS 2	50.000	Tons/HR	ALUMINUM COILS
123	COLD ROLLING MILL - TANDEM	65.000	Tons/HR	ALUMINUM COILS
124	COLD ROLLING MILL - LT GAUGE	35.000	Tons/HR	ALUMINUM COILS
125	HOT ROLLING MILL - 72"	75.000	Tons/HR	ALUMINUM COILS
125A	72" HOT MILL COOLANT TANK HEATER	12.900	MMBTU/HR	
		12.650	MCF/HR	Natural Gas
133	NO. 5 MELTING FURNACE	39.220	MCF/HR	NATURAL GAS
		25.000	Tons/HR	ALUMINUM
134	NO. 6 MELTING FURNACE	39.220	MCF/HR	Natural Gas
		25.000	Tons/HR	ALUMINUM
137	NO. 7 MELTING FURNACE	39.220	MCF/HR	NATURAL GAS
		25.000	Tons/HR	ALUMINUM
139	NO. 8 MELTING FURNACE	39.220	MCF/HR	Natural Gas
		25.000	Tons/HR	ALUMINUM
143	NO. 9 MELTING FURNACE	26.750	MCF/HR	Natural Gas
		25.000	Tons/HR	ALUMINUM
144	NO. 10 MELTING FURNACE	26.750	MCF/HR	NATURAL GAS
		25.000	Tons/HR	ALUMINIUM
147	HOT ROLLING MILL - 80"	105.000	Tons/HR	ALUMINUM COILS
147A	80" HOT MILL COOLANT TANK HEATER	12.900	MMBTU/HR	
		12.650	MCF/HR	Natural Gas
149B	NO. 10 SLAB FURNACE	30.290	MCF/HR	Natural Gas
149C	NO. 11 SLAB FURNACE	15.610	MCF/HR	Natural Gas
149D	NO. 12 SLAB FURNACE	24.230	MCF/HR	Natural Gas

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput		Fuel/Material
149E	NO. 13 SLAB FURNACE	32.300	MCF/HR	Natural Gas
149F	NO. 14 SLAB FURNACE	32.300	MCF/HR	Natural Gas
149G	NO. 15 SLAB FURNACE	32.300	MCF/HR	Natural Gas
149H	NO. 16 SLAB FURNACE	32.300	MCF/HR	Natural Gas
149I	NO. 17 SLAB FURNACE	21.000	MCF/HR	Natural Gas
150	ANNEALING FURNACES 0 - 10	94.770	MCF/HR	NATURAL GAS
		135.000	Tons/HR	ALUMINUM COILS
161	72" HUNTER COLD ROLLING MILL	93.000	Tons/HR	ALUMINUM COILS
201	EMERGENCY GENERATORS			
FP167	SLAB SAW	100.000	Tons/HR	ALUMINUM SLABS
GP118	HOT MILL INGOT SCALPER	48.300	Tons/HR	ALUMINUM INGOTS
HP201	60" COIL COATING/ANNEALING LINE	18.300	Lbs/HR	VOC
		23.330	MCF/HR	Natural Gas
HP201A	60" COIL COATING LINE DETERG, RINSE TANK HEATER	5.100	MMBTU/HR	
		5.000	MCF/HR	Natural Gas
P101	PLATE FURNACE NO. 1	8.080	MCF/HR	Natural Gas
P102	PLATE FURNACE NO. 2	8.080	MCF/HR	Natural Gas
P201	HOLDING FURNACE/SNIF 1	4.240	MCF/HR	Natural Gas
P202	HOLDING FURNACE/SNIF 2	4.240	MCF/HR	Natural Gas
P401	PLATE CAST SAW NO. 1	3,000.000	Lbs/HR	ALUMINUM PLATE
P402	PLATE CAST SAW NO. 2	3,000.000	Lbs/HR	ALUMINUM PLATE
P502	B & O SAW	3,000.000	Lbs/HR	ALUMINUM SLABS
P601	PLATE MILLING MACHINE 1	4,037.000	Lbs/HR	ALUMINUM PLATE
P602	PLATE MILLING MACHINE 2	4,037.000	Lbs/HR	ALUMINUM PLATE
P603	PLATE MILLING MACHINE 3	4,037.000	Lbs/HR	ALUMINUM PLATE
P604	PLATE MILLING MACHINE 4	4,037.000	Lbs/HR	ALUMINUM PLATE
P701	STRESS RELIEF OVENS NO.1 THRU 5	23.720	MCF/HR	Natural Gas
C03	SCALPER CYCLONE			
C03A	INGOT SCALPER BAGHOUSE			
C10	ROTOCLONE - 72" HOT MILL			
C101	PLATE BAGHOUSE 1			
C102	PLATE BAGHOUSE 2			
C11	STACK SKIMMER - 72" HOT MILL			
C12	STACK SKIMMER - TANDEM MILL			
C122	BLISS MIST ELIMINATOR			
C123	BUSCH CYCLONE SEPARATOR			
C124	BLISS MIST ELIMINATOR			
C15	STACK SKIMMER - 72" HUNTER COLD MILL			
C150	MIST ELIMINATOR - ANNEALING FURNACES #1			
C151	MIST ELIMINATOR - ANNEALING FURNACES #2			

SECTION A. Site Inventory List

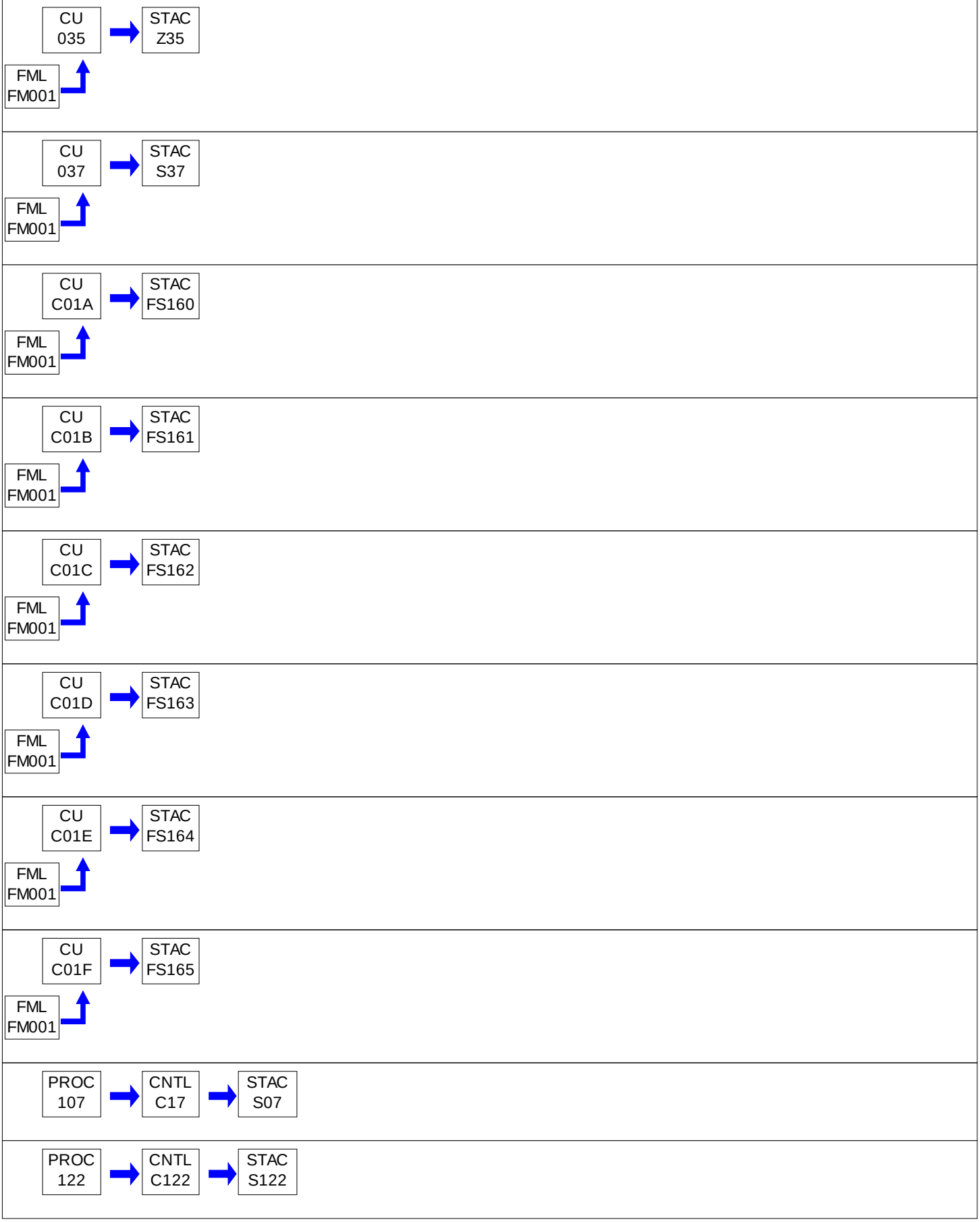
Source ID	Source Name	Capacity/Throughput	Fuel/Material
C161	BUSCH CYCLONE SEPARATOR		
C17	WHEELABRATOR-FRYE BAGHOUSE #3 - DROSS		
C33	WHEELABRATOR-FRYE BAGHOUSE #1		
C401A	CYCLONE - PLATE SAW 1		
C401B	MIST ELIMINATOR - PLATE SAW 1		
C402A	CYCLONE - PLATE SAW 2		
C402B	MIST ELIMINATOR - PLATE SAW 2		
C43	WHEELABRATOR-FRYE BAGHOUSE #2		
C47	AAF ROTOCLONE SIZE-24,R		
C502A	CYCLONE - B & O SAW		
C502B	MIST ELIMINATOR B&O SAW		
C601A	CYCLONE- MILL 1		
C601C	MIST ELIMINATOR – PLATE MILLING MACHINE 1		
C602A	CYCLONE NO. 2		
C602B	MIST ELIMINATOR – PLATE MILLING MACHINE 2		
C603A	CYCLONE - MILL MACH 3		
C603B	MIST ELIMINATOR – PLATE MILLING MACHINE 3		
C604A	CYCLONE MILL MACH 4		
C604B	MIST ELIMINATOR – PLATE MILLING MACHINE 4		
D47	STACK SKIMMER - 80" HOT MILL		
FC167	SLAB SAW CYCLONE		
HC201	COATING OVENS AFTERBURNER		
HC202	REGENERATIVE THERMAL OXIDIZER		
FM001	NATURAL GAS PIPELINE		
FM002	DIESEL		
BY101	BYPASS STACK		
BY102	BYPASS STACK		
BY201	BYPASS STACK		
BY202	BYPASS STACK		
FS160	NO. 5 FURNACE/SNORT STACK		
FS161	NO. 6 FURNACE/SNORT STACK		
FS162	NO. 7 FURNACE/SNORT STACK		
FS163	NO. 8 FYRNACE/SNORT STACK		
FS164	NO. 9 FURNACE/SNORT STACK		
FS165	NO. 10 FURNACE/SNORT STK		
HS201	OVENS AFTERBURNER STACK		
HS201A	60" COIL COATING DETERG, RINSE TANK HEATER STACK		
HS202	RTO STACK		
S07	DROSS SYSTEM STACK		
S101	PL. BAGHOUSE 1 STACK		

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S102	PL. BAGHOUSE 2 STACK		
S118	SCALPER BAGHOUSE STACK		
S122	BLISS 2 STACK		
S123	TANDEM MILL STACK		
S124	LT. GAUGE MILL STACK		
S149B	NO. 10 SLAB FRNCE. STACK		
S149C	NO. 11 SLAB FRNCE. STACK		
S149D	NO. 12 SLAB FRNCE. STACK		
S149E	NO. 13 SLAB FRNCE. STACK		
S149F	NO. 14 SLAB FRNCE. STACK		
S149G	NO. 15 SLAB FRNCE. STACK		
S149H	NO. 16 SLAB FRNCE. STACK		
S149I	NO. 17 SLAB FRNCE. STACK		
S150	MIST ELIMINATOR STACK		
S151	MIST ELIMINATOR STACK		
S156	OVEN NO.1 STACK		
S161	72"COLD MILL STK		
S167	SLAB SAW STACK		
S201	GENERATOR STACKS		
S25	72" HOT MILL STACK		
S25A	72" HOT MILL COOLANT TANK HEATER STACK		
S33	BAGHOUSE STACK		
S37	COLD MILL BOILER STACK		
S43	BAGHOUSE STACK		
S47	80" HOT MILL STACK		
S47A	80" HOT MILL COOLANT TANK HEATER STACK		
S502	STACK - B & O SAW		
S601	STACK - MILL MACH. 1		
S602	STACK - MILL MACH. 2		
S603	STACK - MILL MACH. 3		
S604	STACK - MILL MACH. 4		
T33	BAGHOUSE BYPASS		
U33	BAGHOUSE #1 STACK		
V43	BAGHOUSE #2 BYPASS		
Z35	SP. HEATERS EXHAUST		

PERMIT MAPS

PERMIT MAPS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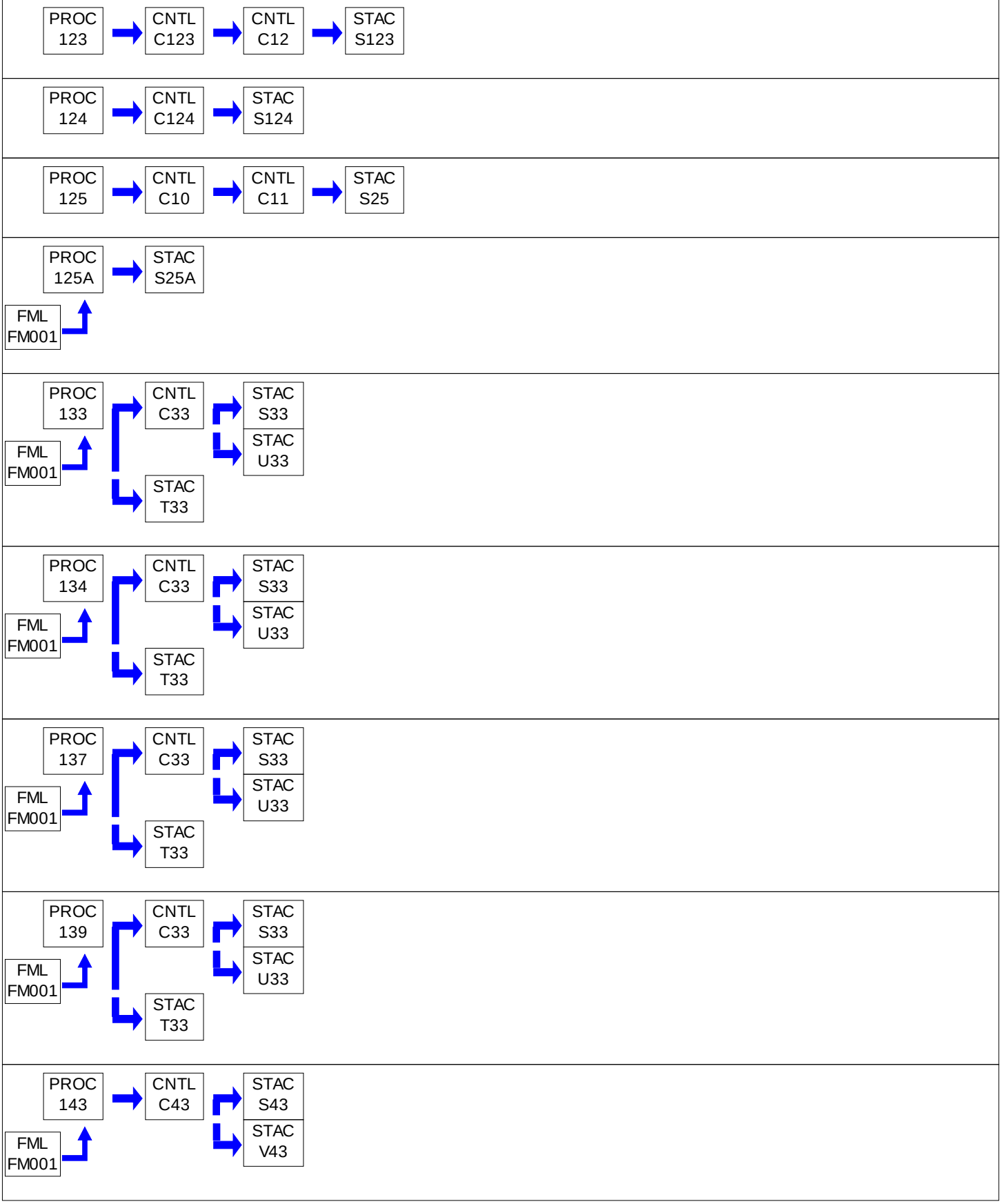
PERMIT MAPS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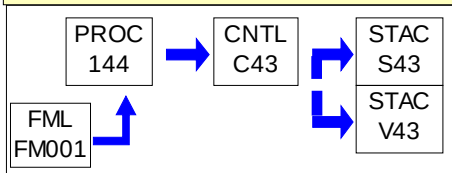
PERMIT MAPS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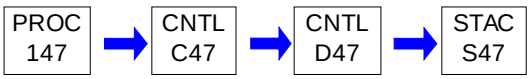
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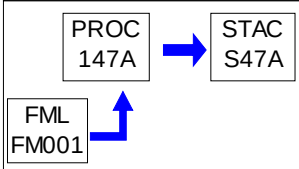
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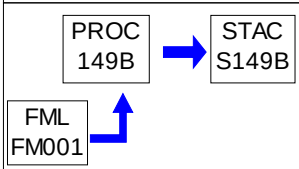
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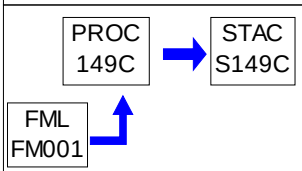
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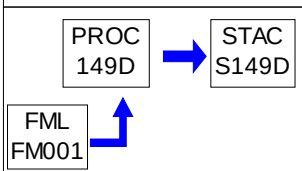
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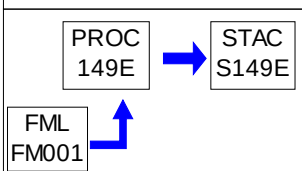
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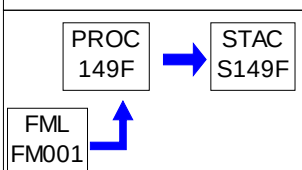
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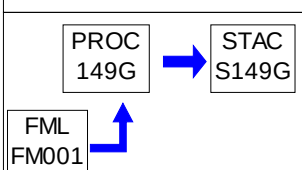
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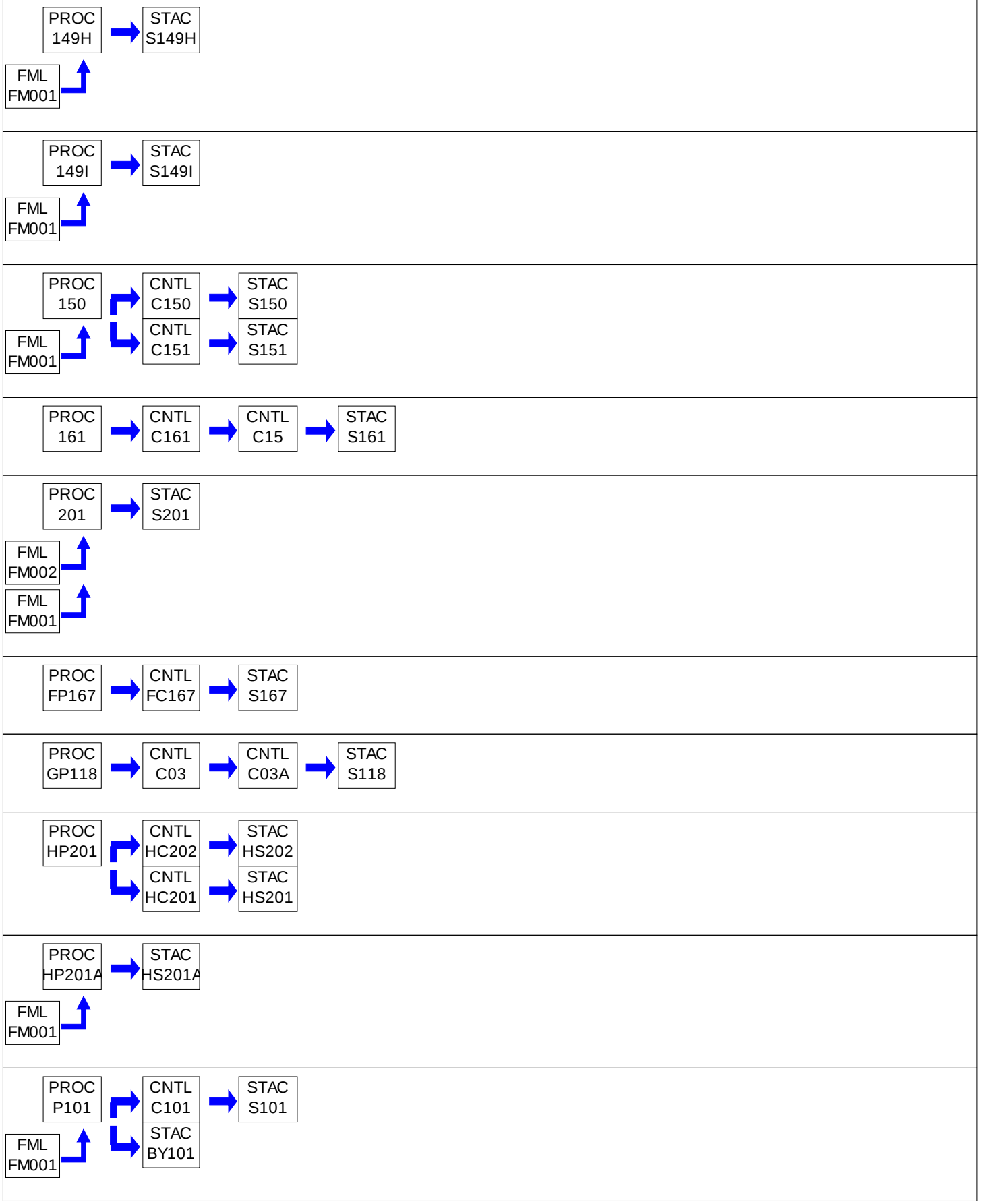
PERMIT MAPS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PROC 201
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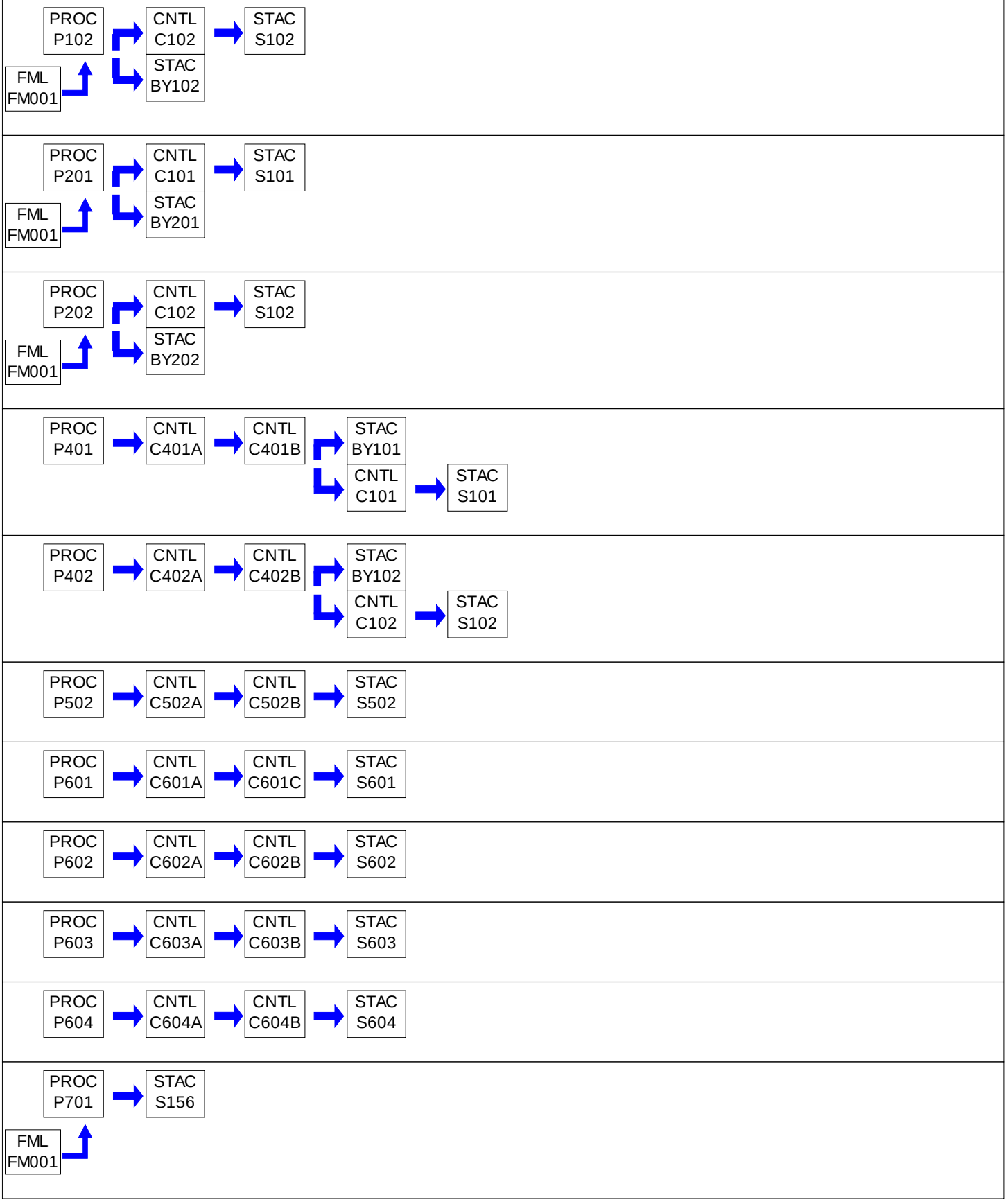
PERMIT MAPS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SECTION B. General Title V Requirements

#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].

SECTION B. General Title V Requirements

#014 [25 Pa. Code § 127.541]

Significant Operating Permit Modifications

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

R3_Air_Apps_and_Notices@epa.gov

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

#015 [25 Pa. Code §§ 121.1 & 127.462]

Minor Operating Permit Modifications

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

R3_Air_Apps_and_Notices@epa.gov

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

#016 [25 Pa. Code § 127.450]

Administrative Operating Permit Amendments

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

R3_Air_Apps_and_Notices@epa.gov

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

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

#017 [25 Pa. Code § 127.512(b)]

Severability Clause

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

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

Fee Payment

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

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

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

SECTION B. General Title V Requirements

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

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

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

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

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

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

Authorization for De Minimis Emission Increases

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

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

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

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

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

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

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

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

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

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

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

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

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

SECTION B. General Title V Requirements

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Reactivation of Sources

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

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

#021 [25 Pa. Code §§ 121.9 & 127.216]

Circumvention

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

SECTION B. General Title V Requirements

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

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

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

Submissions

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

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

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

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

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

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

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

Sampling, Testing and Monitoring Procedures

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

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

#024 [25 Pa. Code §§ 127.511 & Chapter 135]

Recordkeeping Requirements

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

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

(2) The dates the analyses were performed.

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

(4) The analytical techniques or methods used.

SECTION B. General Title V Requirements

(5) The results of the analyses.

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

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

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

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

Reporting Requirements

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

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

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

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

#026 [25 Pa. Code § 127.513]

Compliance Certification

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

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

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

SECTION B. General Title V Requirements

#027 [25 Pa. Code § 127.3]

Operational Flexibility

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

(1) Section 127.14 (relating to exemptions)

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

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

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

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

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

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

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

Risk Management

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

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

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

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

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

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

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

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

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

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

SECTION B. General Title V Requirements

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

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

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

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

#029 [25 Pa. Code § 127.512(e)]

Approved Economic Incentives and Emission Trading Programs

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

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

Permit Shield

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

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

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

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

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

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

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

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

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

#031 [25 Pa. Code §135.3]

Reporting

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

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

#032 [25 Pa. Code §135.4]

Report Format

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

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

(a) Construction or demolition of buildings or structures.

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

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

(d) Clearing of land.

(e) Stockpiling of materials.

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

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

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

 # 002 [25 Pa. Code §123.2]

Fugitive particulate matter

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

 # 003 [25 Pa. Code §123.31]

Limitations

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

 # 004 [25 Pa. Code §123.41]

Limitations

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

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

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

 # 005 [25 Pa. Code §123.42]

Exceptions

The emission limitations of Section 123.41 shall not apply when;

(a) The presence of uncombined water vapor is the only reason for failure of the emission to meet the limitation;

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

(c) The emission results from sources specified in 25 Pa. Code Section 123.1(a)(1) through (9) (relating to prohibition of certain fugitive emissions).

SECTION C. Site Level Requirements

 # 006 [25 Pa. Code §129.14]

Open burning operations

(a) No person shall conduct the open burning of materials in an air basin except for the following:

(1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.

(2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.

(3) A fire set for the prevention and control of disease or pests, when approved by the Department.

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

(5) A fire set solely for cooking food.

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

Fuel Restriction(s).

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate all combustion sources referenced in this operating permit on commercial natural gas.

II. TESTING REQUIREMENTS.

 # 008 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

III. MONITORING REQUIREMENTS.

 # 009 [25 Pa. Code §123.43]

Measuring techniques

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

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

(2) Observers, trained and certified in EPA Method 9, to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(1) Stack emissions in excess of the limits stated in Section C, Condition #004. Visible stack emissions may be measured according to the methods specified in Section C, Condition #009, or alternatively, plant personnel who observe visible stack emissions may report the incidence of visible stack emissions to the Department within two (2) hours of the incident and make arrangements for a certified observer to measure the visible stack emissions.

(2) The presence of visible emissions beyond the plant boundaries as stated in Section C, Condition #002.

SECTION C. Site Level Requirements

(3) The presence of odorous air emissions beyond the plant boundaries as stated in Section C, Condition #003.

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

 # 011 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall annually demonstrate compliance with the emissions standards referenced in this operating permit. The minimum compliance demonstration for each source shall include the monitored parameters along with the use of generally accepted emission factors.

 # 012 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain records of weekly inspections conducted in accordance with Section C, Condition #010. At a minimum, these records shall include the following information:

(1) The name of the company representative conducting each inspection.
(2) The date and time of each inspection.
(3) The wind direction during each inspection.
(4) A description of the emissions and/or malodors observed and the actions taken to mitigate them.

(b) The permittee shall maintain these records for a minimum of five years and shall make them available to Department representatives upon request.

 # 014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Material Safety Data Sheets and/or manufacturer's data for each lubricant, coating, and solvent used at the facility shall be maintained for the most recent five-year period; this information shall be made available to Department representatives upon request.

 # 015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

 # 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7881]

Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation

Am I subject to this subpart?

(a) Your site remediation activities are not subject to the requirements of this subpart, except for the recordkeeping requirements in this paragraph, provided that you meet the requirements specified in paragraphs (a)(1) through (a)(3) of this section.

(1) You determine that the total quantity of the HAP listed in Table 1 to this subpart that is contained in the remediation material excavated, extracted, pumped, or otherwise removed during all of the site remediations conducted at your facility is less than 1 megagram (Mg) annually. This exemption applies the 1 Mg limit on a facility-wide, annual basis, and there is no restriction to the number of site remediations that can be conducted during this period.

(2) You must prepare and maintain at your facility written documentation to support your determination that the total HAP quantity in your remediation materials for the year is less than 1 Mg. The documentation must include a description of your methodology and data used for determining the total HAP content of the remediation material.

SECTION C. Site Level Requirements

(3) NA - REQUIREMENT ALREADY IN TITLE V

(b) Your site remediation is not subject to the requirements of this subpart if all remediation activities at your facility subject to this subpart are completed and you have notified the Administrator in writing that all remediation activities subject to this subpart are completed. You must maintain records of compliance, in accordance with § 63.7953, for each remediation activity that was subject to this subpart. All future remediation activity meeting the applicability criteria in this section must comply with the requirements of this subpart.

[40 CFR 63.7881(c) & (d)]

V. REPORTING REQUIREMENTS.

 # 017 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall report malfunctions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner that affects the facility's ability to comply with a permit term. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

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

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

VI. WORK PRACTICE REQUIREMENTS.

 # 018 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

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

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

(3) Paving and maintenance of roadways.

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

VII. ADDITIONAL REQUIREMENTS.

 # 019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

 # 020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) This Title V Operating Permit incorporates by reference all of the provisions of Plan Approval 36-05014M. Based on this

SECTION C. Site Level Requirements

incorporation, any violation of this plan approval would also be deemed a violation of this Title V Operating Permit.

(b) The incorporation of this plan approval into this Title V Operating Permit shall not be construed to require the permittee to implement the project that is the subject of the plan approval, unless an enforcement action, regulation or statute independently requires otherwise.

(c) This Title V permit shall not be construed to provide any independent, ongoing authority for the construction or operation of the project that is the subject of Plan Approval 36-05014M, unless and until the permittee applies for, and is granted, a future administrative amendment to this Title V permit for that project, once it has been determined by DEP to have completed the respective temporary operation phase under the authority of the plan approval.

 # 021 [25 Pa. Code §127.512]

Operating permit terms and conditions.

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

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 01/01/2022 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #026 of section B of this permit, and annually thereafter.

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

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

SECTION D. Source Level Requirements

Source ID: 035 Source Name: SPACE HEATERS AND OTHER MISC NATURAL GAS USAGE

Source Capacity/Throughput: 47.100 MMBTU/HR
46.180 MCF/HR Natural Gas

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person shall permit the emission into the outdoor atmosphere of particulate matter emissions from the individual Source 035 space heaters in excess of 0.04 grain per dry standard cubic foot of effluent gas.

 # 002 [25 Pa. Code §123.21]

General

Sulfur oxides emissions, expressed as sulfur dioxide, from the individual Source ID 035 space heaters shall not exceed 500 parts per million, by volume, dry basis in the effluent gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

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

SECTION D. Source Level Requirements

Source ID: 037 Source Name: COLD MILL BOILER

Source Capacity/Throughput: 1.750 MMBTU/HR
1.720 MCF/HR Natural Gas

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

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: C01A Source Name: NO. 5 HOLDING FURNACE/IN-LINE FLUXER

Source Capacity/Throughput: 12.300 MMBTU/HR
11.710 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 001
GROUP 006
GROUP 014
GROUP 017

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: C01B Source Name: NO. 6 HOLDING FURNACE/IN-LINE FLUXER

Source Capacity/Throughput: 12.300 MMBTU/HR
11.710 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 001
GROUP 006
GROUP 014
GROUP 017

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: C01C Source Name: NO. 7 HOLDING FURNACE/IN-LINE FLUXER

Source Capacity/Throughput: 9.840 MMBTU/HR
9.370 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 001
GROUP 006
GROUP 014
GROUP 017

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: C01D Source Name: NO. 8 HOLDING FURNACE/IN-LINE FLUXER

Source Capacity/Throughput: 12.300 MMBTU/HR
11.710 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 001
GROUP 006
GROUP 014
GROUP 017

I. RESTRICTIONS.

Throughput Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Natural gas consumption for the Source C01D No. 8 holding furnace shall not exceed 38,640 MCF per consecutive 12-month period.

[The above voluntary restriction has been included at the permittee's request]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor natural gas consumption for the Source C01D No. 8 holding furnace.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall calculate and maintain records of monthly natural gas consumption and total natural gas consumption for each consecutive 12-month period for the Source C01D No. 8 holding furnace.

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

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: C01E Source Name: NO. 9 HOLDING FURNACE/IN-LINE FLUXER

Source Capacity/Throughput: 12.300 MMBTU/HR
11.710 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 001
GROUP 006
GROUP 014
GROUP 017

I. RESTRICTIONS.

Throughput Restriction(s).

 # 001 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Natural gas consumption for the Source C01E No. 9 holding furnace shall not exceed 38,640 MCF per consecutive 12-month period.

[The above voluntary restriction has been included at the permittee's request]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

The permittee shall monitor natural gas consumption for the Source C01E No. 9 holding furnace.

IV. RECORDKEEPING REQUIREMENTS.

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

(a) The permittee shall calculate and maintain records of monthly natural gas consumption and total natural gas consumption for each consecutive 12-month period for the Source C01E No. 9 holding furnace.

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

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: C01F Source Name: NO. 10 HOLDING FURNACE/IN-LINE FLUXER

Source Capacity/Throughput: 15.380 MMBTU/HR
14.650 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 001
GROUP 006
GROUP 014
GROUP 017

I. RESTRICTIONS.

Throughput Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Natural gas consumption for the Source C01F No. 10 holding furnace shall not exceed 38,640 MCF per consecutive 12-month period.

[The above voluntary restriction has been included at the permittee's request]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor natural gas consumption for the Source C01F No. 10 holding furnace.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall calculate and maintain records of monthly natural gas consumption and total natural gas consumption for each consecutive 12-month period for the Source C01F No. 10 holding furnace.

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

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 107 Source Name: DROSS PROCESSING LINE

Source Capacity/Throughput: 12.000 Tons/HR ALUMINUM DROSS

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

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person shall permit the emission into the outdoor atmosphere of particulate matter from the Source 107 dross processing line in excess of 0.04 grain per dry standard cubic foot of effluent gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain instrumentation to monitor the pressure drop across the C17 baghouse associated with the Source 107 dross processing line.

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 122 Source Name: COLD ROLLING MILL - BLISS 2

Source Capacity/Throughput: 50.000 Tons/HR ALUMINUM COILS

Conditions for this source occur in the following groups: GROUP 005
GROUP 015
GROUP 018

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the emissions of VOCs from Source ID 122 to less than 54.2 tons per year, based on any consecutive 12-month period. At this level of emissions, add-on controls were deemed cost-ineffective for RACT II. The permittee shall maintain records of VOC emissions for each calendar month and each consecutive 12-month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

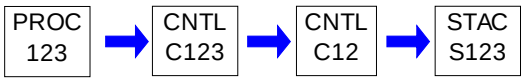
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 123 Source Name: COLD ROLLING MILL - TANDEM

Source Capacity/Throughput: 65.000 Tons/HR ALUMINUM COILS

Conditions for this source occur in the following groups: GROUP 005
GROUP 015
GROUP 018



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: 124 Source Name: COLD ROLLING MILL - LT GAUGE

Source Capacity/Throughput: 35.000 Tons/HR ALUMINUM COILS

Conditions for this source occur in the following groups: GROUP 005
GROUP 015
GROUP 018

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

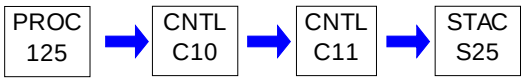
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 125 Source Name: HOT ROLLING MILL - 72"

Source Capacity/Throughput: 75.000 Tons/HR ALUMINUM COILS

Conditions for this source occur in the following groups: GROUP 004
GROUP 015
GROUP 018



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the emissions of VOCs from Source ID 125 to less than 62.2 tons per year, based on any consecutive 12-month period. The permittee shall maintain records of VOC emissions for each calendar month and each consecutive 12-month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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: 125A Source Name: 72" HOT MILL COOLANT TANK HEATER

Source Capacity/Throughput: 12.900 MMBTU/HR
12.650 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 013
GROUP 014
GROUP 017

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: 133 Source Name: NO. 5 MELTING FURNACE

Source Capacity/Throughput:	39.220	MCF/HR	NATURAL GAS
	25.000	Tons/HR	ALUMINUM

Conditions for this source occur in the following groups: GROUP 001
GROUP 006
GROUP 015
GROUP 018

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall not allow the emission of nitrogen oxides from Source ID 133 in excess of 0.114 lb NOx/mmBtu.

[Additional authority for this permit condition is derived from PA 36-05014K]

Throughput Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Natural gas consumption for the Source ID 133 No. 5 melting furnace shall not exceed 231,840 MCF per consecutive 12-month period.

[The above voluntary restriction has been included at the permittee's request]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain records of monthly natural gas consumption and total natural gas consumption during each consecutive 12-month period for the Source ID 133 No. 5 melting furnace.

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

SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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: 134 Source Name: NO. 6 MELTING FURNACE

Source Capacity/Throughput:	39.220	MCF/HR	Natural Gas
	25.000	Tons/HR	ALUMINUM

Conditions for this source occur in the following groups: GROUP 001
GROUP 006
GROUP 015
GROUP 018

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall not allow the emission of nitrogen oxides from Source ID 134 in excess of 0.114 lb NOx/mmBtu.

[Additional authority for this permit condition is derived from PA 36-05014K]

Throughput Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Natural gas consumption for the Source ID 134 No. 6 melting furnace shall not exceed 231,840 MCF per consecutive 12-month period.

[The above voluntary restriction has been included at the permittee's request]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain records of monthly natural gas consumption and total natural gas consumption during each consecutive 12-month period for the Source ID 134 No.6 melting furnace.

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

SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 137 Source Name: NO. 7 MELTING FURNACE

Source Capacity/Throughput:	39.220	MCF/HR	NATURAL GAS
	25.000	Tons/HR	ALUMINUM

Conditions for this source occur in the following groups: GROUP 001
GROUP 006
GROUP 015
GROUP 018

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall not allow the emission of nitrogen oxides from Source ID 137 in excess of 0.114 lb NOx/mmBtu.

[Additional authority for this permit condition is derived from PA 36-05014J]

Throughput Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Natural gas consumption for the Source ID 137 No. 7 melting furnace shall not exceed 231,840 MCF per consecutive 12-month period.

[The above voluntary restriction has been included at the permittee's request]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain records of monthly natural gas consumption and total natural gas consumption during each consecutive 12-month period for the Source ID 137 No.7 melting furnace.

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

SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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).

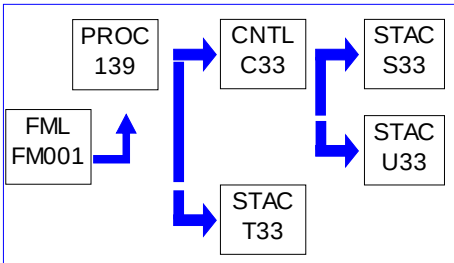
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 139 Source Name: NO. 8 MELTING FURNACE

Source Capacity/Throughput:	39.220	MCF/HR	Natural Gas
	25.000	Tons/HR	ALUMINUM

Conditions for this source occur in the following groups: GROUP 001
GROUP 006
GROUP 015
GROUP 018



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall not allow the emission of nitrogen oxides from Source ID 139 in excess of 0.114 lb NOx/mmBtu.

[Additional authority for this permit condition is derived from PA 36-05014J]

Throughput Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Natural gas consumption for the Source No. 139 No. 8 melting furnace shall not exceed 231,840 MCF per consecutive 12-month period.

[The above voluntary restriction has been included at the permittee's request]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain records of monthly natural gas consumption and total natural gas consumption during each consecutive 12-month period for the Source 139 No. 8 melting furnace.

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

SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 143 Source Name: NO. 9 MELTING FURNACE

Source Capacity/Throughput:	26.750	MCF/HR	Natural Gas
	25.000	Tons/HR	ALUMINUM

Conditions for this source occur in the following groups: GROUP 001
GROUP 006
GROUP 015
GROUP 018

I. RESTRICTIONS.

Throughput Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Natural gas consumption for the Source 143 No. 9 melting furnace shall not exceed 175,200 MCF per consecutive 12-month period.

[The above voluntary restriction has been included at the permittee's request]

II. TESTING REQUIREMENTS.

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

(a) The permittee shall calculate and maintain records of monthly natural gas consumption and total natural gas consumption for each consecutive 12-month period for the Source 143 No. 9 melting furnace.

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

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 144 Source Name: NO. 10 MELTING FURNACE

Source Capacity/Throughput:	26.750	MCF/HR	NATURAL GAS
	25.000	Tons/HR	ALUMINIUM

Conditions for this source occur in the following groups: GROUP 001
GROUP 006
GROUP 015
GROUP 018

I. RESTRICTIONS.

Throughput Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Natural gas consumption for the Source 144 No. 10 melting furnace shall not exceed 160,300 MCF per consecutive 12-month period.

[The above voluntary restriction has been included at the permittee's request]

II. TESTING REQUIREMENTS.

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

(a) The permittee shall calculate and maintain records of monthly natural gas consumption and total natural gas consumption for each consecutive 12-month period for the Source 144 No. 10 melting furnace.

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

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

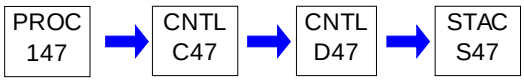
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 147 Source Name: HOT ROLLING MILL - 80"

Source Capacity/Throughput: 105.000 Tons/HR ALUMINUM COILS

Conditions for this source occur in the following groups: GROUP 004
GROUP 015
GROUP 018



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: 147A Source Name: 80" HOT MILL COOLANT TANK HEATER

Source Capacity/Throughput: 12.900 MMBTU/HR
12.650 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 013
GROUP 014
GROUP 017

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: 149B Source Name: NO. 10 SLAB FURNACE

Source Capacity/Throughput: 30.290 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 003
GROUP 015
GROUP 018

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: 149C Source Name: NO. 11 SLAB FURNACE

Source Capacity/Throughput: 15.610 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 003
GROUP 015
GROUP 017

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: 149D Source Name: NO. 12 SLAB FURNACE

Source Capacity/Throughput: 24.230 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 003
GROUP 015
GROUP 018

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: 149E Source Name: NO. 13 SLAB FURNACE

Source Capacity/Throughput: 32.300 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 003
GROUP 015
GROUP 018

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: 149F Source Name: NO. 14 SLAB FURNACE

Source Capacity/Throughput: 32.300 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 003
GROUP 015
GROUP 018

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: 149G Source Name: NO. 15 SLAB FURNACE

Source Capacity/Throughput: 32.300 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 003
GROUP 008
GROUP 015
GROUP 018

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: 149H Source Name: NO. 16 SLAB FURNACE

Source Capacity/Throughput: 32.300 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 003
GROUP 008
GROUP 015
GROUP 018

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: 149I Source Name: NO. 17 SLAB FURNACE

Source Capacity/Throughput: 21.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 003
GROUP 015
GROUP 017

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

No person shall permit the emission into the outdoor atmosphere of particulate matter from the Source ID 149I slab furnace in excess of 0.16 pound per hour.

[Additional authority for this permit condition is derived from PA 36-05014I]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Sulfur oxides emissions, expressed as sulfur dioxide, from the Source ID 149I slab furnace shall not exceed 0.12 pound per hour.

[Additional authority for this permit condition is derived from PA 36-05014I]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

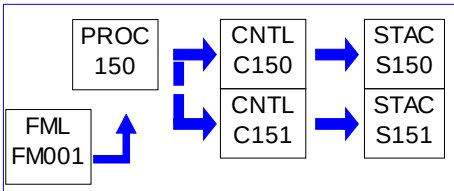
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 150 Source Name: ANNEALING FURNACES 0 - 10

Source Capacity/Throughput:	94.770	MCF/HR	NATURAL GAS
	135.000	Tons/HR	ALUMINUM COILS

Conditions for this source occur in the following groups: GROUP 003
GROUP 013
GROUP 014
GROUP 017



I. RESTRICTIONS.

Throughput Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Combined natural gas consumption for annealing furnaces Nos. 6 through 10 shall not exceed 154,200 MCF per consecutive 12-month period.

[The above voluntary restriction has been included at the permittee's request]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor natural gas consumption for each of the Source 150 annealing furnaces.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall calculate and maintain records of monthly natural gas consumption for each of the Source 150 annealing furnaces and total natural gas consumption by the group for each consecutive 12-month period.

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

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

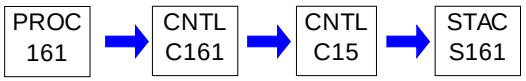
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 161 Source Name: 72" HUNTER COLD ROLLING MILL

Source Capacity/Throughput: 93.000 Tons/HR ALUMINUM COILS

Conditions for this source occur in the following groups: GROUP 005
GROUP 015
GROUP 018



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the emissions of VOCs from Source ID 161 to less than 82.5 tons per year, based on any consecutive 12-month period. At this level of emissions, add-on controls were deemed cost-ineffective for RACT II. The permittee shall maintain records of VOC emissions for each calendar month and each consecutive 12-month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 201 Source Name: EMERGENCY GENERATORS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 012
GROUP 014
GROUP 016
GROUP 017

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: FP167 Source Name: SLAB SAW

Source Capacity/Throughput: 100.000 Tons/HR ALUMINUM SLABS

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

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).

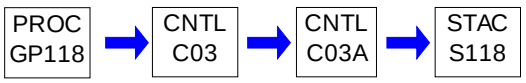
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: GP118 Source Name: HOT MILL INGOT SCALPER

Source Capacity/Throughput: 48.300 Tons/HR ALUMINUM INGOTS

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



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).

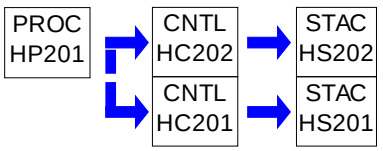
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: HP201 Source Name: 60" COIL COATING/ANNEALING LINE

Source Capacity/Throughput: 18.300 Lbs/HR VOC
23.330 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 010
GROUP 011
GROUP 014
GROUP 017



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.12]

Incinerators

No person shall permit the emission into the outdoor atmosphere of particulate matter from the HC202 regenerative thermal oxidizer and the HC201 afterburner in such a manner that the particulate matter concentration in the effluent gas exceeds 0.1 grain per dry standard cubic foot, corrected to 12% carbon dioxide.

 # 002 [25 Pa. Code §123.21]

General

Sulfur oxides emissions, expressed as sulfur dioxide, from the HC202 regenerative thermal oxidizer and the HC201 afterburner shall not exceed a concentration of 500 parts per million, by volume, dry basis, in the effluent gas.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Total volatile organic compound (VOC) emissions from coil coating shall not exceed 35 tons per consecutive 12-month period. The permittee shall maintain records of coil coating VOC emissions for each calendar month and each consecutive 12-month period.

 # 004 [25 Pa. Code §129.52]

Surface coating processes

(a) The permittee shall not cause or permit the emission into the outdoor atmosphere of VOCs from any surface coatings applied, in excess of 4.02 pounds VOC per gallon of coating solids (as applied to the substrate, minus water and exempt VOCs) as specified in Table I (Category 2) of 25 Pa. Code § 129.52.

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

VOC = (Wo)(Dc)/(Vn)

where:

VOC = VOC content expressed in units of pounds VOC per gallon coating solids
Wo = weight percent of VOC (Wv - Ww - Wex)
Wv = weight percent of total volatiles (100% - Wn)
Ww = weight percent of water
Wex = weight percent of exempt VOCs
Dc = density of coating (pounds per gallon), at 25°C
Wn = weight percent of solids of the as applied coating
Vn = volume percent of solids of the as applied coating

SECTION D. Source Level Requirements

(c) The overall weight of VOCs emitted to the atmosphere is reduced through the use of vapor recovery or incineration or another method which is acceptable under § 129.51(a) (relating to general). The overall efficiency of a control system, as determined by the test methods and procedures specified in Chapter 139 shall be no less than the equivalent overall efficiency calculated by the following equation:

$$O = (1 - E/V) \times 100$$

Where:

V = The VOC content of the as applied coating, in lb VOC/gal of coating solids.
E = Table I limit in lb VOC/gal of coating solids.
O = Overall control efficiency.

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

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

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

[Compliance with 40 CFR 60, Subpart TT & 40 CFR 63, Subpart SSSS ensures compliance with the the requirement specified under (c), above.]

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.

 # 005 [25 Pa. Code §129.52]

Surface coating processes

The permittee shall maintain the following daily records:

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

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

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

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

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

SECTION D. Source Level Requirements

Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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: HP201A Source Name: 60" COIL COATING LINE DETERG, RINSE TANK HEATER

Source Capacity/Throughput: 5.100 MMBTU/HR
5.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 013
GROUP 014
GROUP 017

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: P101 Source Name: PLATE FURNACE NO. 1

Source Capacity/Throughput: 8.080 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 001
GROUP 006
GROUP 007
GROUP 014
GROUP 017

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: P102 Source Name: PLATE FURNACE NO. 2

Source Capacity/Throughput: 8.080 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 001
GROUP 006
GROUP 007
GROUP 014
GROUP 017

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: P201 Source Name: HOLDING FURNACE/SNIF 1

Source Capacity/Throughput: 4.240 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 001
GROUP 006
GROUP 007
GROUP 014
GROUP 017

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: P202 Source Name: HOLDING FURNACE/SNIF 2

Source Capacity/Throughput: 4.240 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 001
GROUP 006
GROUP 007
GROUP 014
GROUP 017

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).

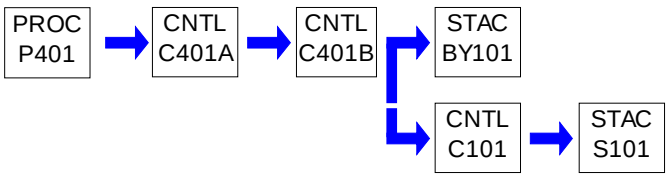
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P401 Source Name: PLATE CAST SAW NO. 1

Source Capacity/Throughput: 3,000.000 Lbs/HR ALUMINUM PLATE

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



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).

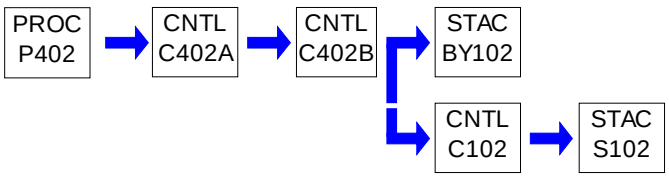
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P402 Source Name: PLATE CAST SAW NO. 2

Source Capacity/Throughput: 3,000.000 Lbs/HR ALUMINUM PLATE

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



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).

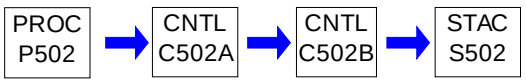
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P502 Source Name: B & O SAW

Source Capacity/Throughput: 3,000.000 Lbs/HR ALUMINUM SLABS

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



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).

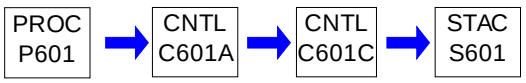
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P601 Source Name: PLATE MILLING MACHINE 1

Source Capacity/Throughput: 4,037.000 Lbs/HR ALUMINUM PLATE

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



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).

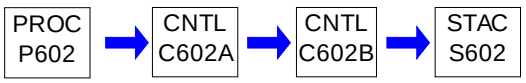
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P602 Source Name: PLATE MILLING MACHINE 2

Source Capacity/Throughput: 4,037.000 Lbs/HR ALUMINUM PLATE

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



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).

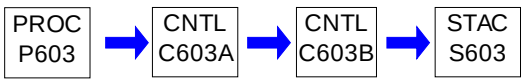
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P603 Source Name: PLATE MILLING MACHINE 3

Source Capacity/Throughput: 4,037.000 Lbs/HR ALUMINUM PLATE

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



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).

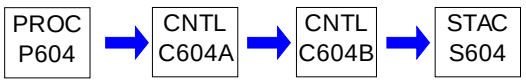
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P604 Source Name: PLATE MILLING MACHINE 4

Source Capacity/Throughput: 4,037.000 Lbs/HR ALUMINUM PLATE

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



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: P701 Source Name: STRESS RELIEF OVENS NO.1 THRU 5

Source Capacity/Throughput: 23.720 MCF/HR Natural Gas

Conditions for this source occur in the following groups: GROUP 003
GROUP 009
GROUP 014
GROUP 017

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION E. Source Group Restrictions.

Group Name: GROUP 001

Group Description: Melting & Holding Furnaces

Sources included in this group

ID	Name
133	NO. 5 MELTING FURNACE
134	NO. 6 MELTING FURNACE
137	NO. 7 MELTING FURNACE
139	NO. 8 MELTING FURNACE
143	NO. 9 MELTING FURNACE
144	NO. 10 MELTING FURNACE
C01A	NO. 5 HOLDING FURNACE/IN-LINE FLUXER
C01B	NO. 6 HOLDING FURNACE/IN-LINE FLUXER
C01C	NO. 7 HOLDING FURNACE/IN-LINE FLUXER
C01D	NO. 8 HOLDING FURNACE/IN-LINE FLUXER
C01E	NO. 9 HOLDING FURNACE/IN-LINE FLUXER
C01F	NO. 10 HOLDING FURNACE/IN-LINE FLUXER
P101	PLATE FURNACE NO. 1
P102	PLATE FURNACE NO. 2
P201	HOLDING FURNACE/SNIF 1
P202	HOLDING FURNACE/SNIF 2

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

Particulate matter emissions from the individual Group 001 furnaces shall not exceed the rate determined by the following formula or an effluent gas concentration of 0.02 grains per dry standard cubic foot, whichever is greater:

A = 0.76 E-0.42

Where:

A = allowable emissions in pounds per hour
E = emission index = F x W pounds per hour
F = 10 = process factor in pounds per ton (from Table)
W = aluminum feed in tons per hour
-0.42 = exponent of E factor

 # 002 [25 Pa. Code §123.21]

General

Sulfur oxides emissions, expressed as sulfur dioxide, from the individual Group 001 sources shall not exceed a concentration of 500 parts per million, by volume, dry basis in the effluent gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

SECTION E. Source Group Restrictions.

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION E. Source Group Restrictions.

Group Name: GROUP 002

Group Description: Saws & Shapers

Sources included in this group

ID	Name
FP167	SLAB SAW
GP118	HOT MILL INGOT SCALPER
P401	PLATE CAST SAW NO. 1
P402	PLATE CAST SAW NO. 2
P502	B & O SAW
P601	PLATE MILLING MACHINE 1
P602	PLATE MILLING MACHINE 2
P603	PLATE MILLING MACHINE 3
P604	PLATE MILLING MACHINE 4

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person shall permit the emission into the outdoor atmosphere of particulate matter from the individual Group 002 sources in excess of 0.04 grain per dry standard cubic foot of effluent gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION E. Source Group Restrictions.

Group Name: GROUP 003

Group Description: Heat Treating Furnaces/Ovens

Sources included in this group

ID	Name
149B	NO. 10 SLAB FURNACE
149C	NO. 11 SLAB FURNACE
149D	NO. 12 SLAB FURNACE
149E	NO. 13 SLAB FURNACE
149F	NO. 14 SLAB FURNACE
149G	NO. 15 SLAB FURNACE
149H	NO. 16 SLAB FURNACE
149I	NO. 17 SLAB FURNACE
150	ANNEALING FURNACES 0 - 10
P701	STRESS RELIEF OVENS NO.1 THRU 5

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person shall permit the emission into the outdoor atmosphere of particulate matter from the individual Group 003 furnaces/ovens in excess of 0.04 grain per dry standard cubic foot of effluent gas.

 # 002 [25 Pa. Code §123.21]

General

Sulfur oxides emissions, expressed as sulfur dioxide, from the individual Group 003 sources shall not exceed a concentration of 500 parts per million, by volume, dry basis in the effluent gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

SECTION E. Source Group Restrictions.

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION E. Source Group Restrictions.

Group Name: GROUP 004

Group Description: Hot Rolling Mills

Sources included in this group

ID	Name
125	HOT ROLLING MILL - 72"
147	HOT ROLLING MILL - 80"

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person shall permit the emission into the outdoor atmosphere of particulate matter from the individual Group 004 hot rolling mills in excess of 0.04 grain per dry standard cubic foot of effluent gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall use the following parameters for determining excursions for the Group 004 hot rolling mills:

(1) 72" Hot Mill: Rotoclone pressure drop shall be maintained between 0 and 10 inches of water; exhaust fan motor amperage shall be maintained between 19 and 47.4 amperes.
(2) 80" Hot Mill: Rotoclone pressure drop shall be maintained between 0 and 10 inches of water; exhaust fan motor amperage shall be maintained between 98 and 240 amperes.

(b) Each departure from the 24-hour average pressure drop and fan current ranges specified above during operation shall be defined as an excursion. Each failure to measure these parameters at the specified interval with the approved method shall be defined as an excursion.

[Additional authority for this Compliance Assurance Monitoring (CAM) permit conditon is also derived from 40 CFR Part 64, Sections 64.3 and 64.6]

VII. ADDITIONAL REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following is a summary of the specific compliance assurance monitoring (CAM) requirements for the Group 004 hot rolling mills:

SECTION E. Source Group Restrictions.

(a) The pressure differential across the C10 and C47 rotoclones shall be continuously measured. Readings shall be taken at least four times per hour and averaged over each daily 24-hour period.

(b) The exhaust fan amperage for each mill shall be continuously measured. Readings shall be taken at least four times per hour and averaged over each daily 24-hour period.

(c) The water content of the hot rolling mill emulsion lubricants shall be analyzed once per calendar week.

(d) Hot rolling mill emulsion lubricant temperatures shall be measured hourly at the spray inlet on each mill and averaged every 24 hours.

The above requirements are supported by the Section C Site Level and Section D Source level requirements for work practices, monitoring, recordkeeping and reporting.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall develop and implement a quality improvement plan (QIP) as expeditiously as practicable if any of the following occur:

(1) Six excursions for any individual parameter for any individual source in a six-month reporting period.
(2) Department review indicates that the permittee has not responded acceptably to an excursion.

(b) The QIP shall be developed and submitted to the Department within 60 days from the date the QIP became necessary. Furthermore, the permittee shall notify the Department if the implementation of the improvements in the QIP require more than 180 days from the date the QIP became necessary.

(c) The permittee shall record actions taken to implement the QIP during each reporting period and all related actions including, but not limited to, inspections, repairs and maintenance of the monitoring equipment.

(d) The QIP shall include procedures for evaluating the control performance problems. Based upon the results of the evaluation procedures, the permittee shall modify the QIP, and provide a copy to the Department, to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

(1) Improved preventive maintenance practices
(2) Process changes.
(3) Appropriate improvements to control methods
(4) Other appropriate measures.

(e) Following the implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan:

(1) Fails to address the control device performance problem.
(2) Fails to correct control device performance as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(f) Implementation of a QIP shall not excuse the permittee from complying with all applicable emission limits, monitoring, recordkeeping, reporting and other requirements of federal, state and local laws, and the Clean Air Act.

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 64, Sections 64.8 and 64.9]

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

SECTION E. Source Group Restrictions.

Group Name: GROUP 005

Group Description: Cold Rolling Mills

Sources included in this group

ID	Name
122	COLD ROLLING MILL - BLISS 2
123	COLD ROLLING MILL - TANDEM
124	COLD ROLLING MILL - LT GAUGE
161	72" HUNTER COLD ROLLING MILL

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person shall permit the emission into the outdoor atmosphere of particulate matter from the individual Group 005 cold rolling mills in excess of 0.04 grains per dry standard cubic foot of effluent gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall use the following parameters for determining excursions for the Group 005 cold rolling mills:

(1) Bliss Light Gauge: Mist eliminator pressure drop shall be maintained between 0 and 10 inches of water; exhaust fan motor amperage shall be maintained between 10 and 29 amperes.
(2) Bliss II: Mist eliminator pressure drop shall be maintained between 0 and 10 inches of water; exhaust fan motor amperage shall be maintained between 15 and 57.5 amperes.
(3) Bliss Tandem: Mist eliminator pressure drop shall be maintained between 0 and 10 inches of water; exhaust fan motor amperage shall be maintained between 65 and 174 amperes.
(4) 72" Hunter: Mist eliminator pressure drop shall be maintained between 0 and 10 inches of water; exhaust fan motor amperage shall be maintained between 11 and 31.6 amperes.

(b) Each departure from the 24-hour average pressure drop and fan current ranges specified above during operation shall be defined as an excursion. Each failure to measure these parameters at the specified interval with the approved method shall be defined as an excursion.

[Additional authority for this Compliance Assurance Monitoring (CAM) permit conditon is also derived from 40 CFR Part 64, Sections 64.3 and 64.6]

SECTION E. Source Group Restrictions.

VII. ADDITIONAL REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall develop and implement a quality improvement plan (QIP) as expeditiously as practicable if any of the following occur:

(1) Six excursions for any individual parameter for any individual source in a six-month reporting period.
(2) Department review indicates that the permittee has not responded acceptably to an excursion.

(b) The QIP shall be developed and submitted to the Department within 60 days from the date the QIP became necessary. Furthermore, the permittee shall notify the Department if the implementation of the improvements in the QIP require more than 180 days from the date the QIP became necessary.

(c) The permittee shall record actions taken to implement the QIP during each reporting period and all related actions including, but not limited to, inspections, repairs and maintenance of the monitoring equipment.

(d) The QIP shall include procedures for evaluating the control performance problems. Based upon the results of the evaluation procedures, the permittee shall modify the QIP, and provide a copy to the Department, to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

(1) Improved preventive maintenance practices
(2) Process changes.
(3) Appropriate improvements to control methods
(4) Other appropriate measures.

(e) Following the implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan:

(1) Fails to address the control device performance problem.
(2) Fails to correct control device performance as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(f) Implementation of a QIP shall not excuse the permittee from complying with all applicable emission limits, monitoring, recordkeeping, reporting and other requirements of federal, state and local laws, and the Clean Air Act.

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 64, Sections 64.8 and 64.9]

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Operation of the Cold Rolling Mill is contingent upon the exclusive use of Linpar 1416-V or a Department-approved emissions equivalent as the base oil (minimum 80%) for the rolling lubricant used in Source Nos. 122, 123, 124 and 161 unless otherwise approved by the Department.

*Note: The Department approved the use of a minimum base oil concentration of 80% per a December 16, 2006 letter.

[The above requirement is derived from Operating Permit No. 36-308-083]

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following is a summary of the specific compliance assurance monitoring (CAM) requirements for the Group 005 cold rolling mills:

(a) The pressure differential across each mist eliminator and cyclone shall be continuously measured. Readings shall be taken at least four times per hour and averaged over each daily 24-hour period.

(b) The exhaust fan motor amperage for each mill shall be continuously measured. Readings shall be taken at least four times per hour and averaged over each daily 24-hour period.

(c) The cold rolling mill sump temperatures shall be measured hourly and averaged every 24 hours.

SECTION E. Source Group Restrictions.

(d) The base oil composition and initial boiling point of the cold rolling mill lubricants shall be measured and recorded once per calendar week.

The above requirements are supported by the Section C Site Level and Section D Source level requirements for work practices, monitoring, recordkeeping and reporting.

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

SECTION E. Source Group Restrictions.

Group Name: GROUP 006

Group Description: 40 CFR 63, Subpart RRR Sources

Sources included in this group

ID	Name
107	DROSS PROCESSING LINE
133	NO. 5 MELTING FURNACE
134	NO. 6 MELTING FURNACE
137	NO. 7 MELTING FURNACE
139	NO. 8 MELTING FURNACE
143	NO. 9 MELTING FURNACE
144	NO. 10 MELTING FURNACE
C01A	NO. 5 HOLDING FURNACE/IN-LINE FLUXER
C01B	NO. 6 HOLDING FURNACE/IN-LINE FLUXER
C01C	NO. 7 HOLDING FURNACE/IN-LINE FLUXER
C01D	NO. 8 HOLDING FURNACE/IN-LINE FLUXER
C01E	NO. 9 HOLDING FURNACE/IN-LINE FLUXER
C01F	NO. 10 HOLDING FURNACE/IN-LINE FLUXER
P101	PLATE FURNACE NO. 1
P102	PLATE FURNACE NO. 2
P201	HOLDING FURNACE/SNIF 1
P202	HOLDING FURNACE/SNIF 2

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee may melt clean charge materials (prime ingot, RSI sows, and internal runaround) in Group 006 SMACT Source ID Nos. 133, 134, 137, 139, 143, 144, P101, and P102 and process aluminum in the ancillary holders and casters during those periods when baghouses are out of service.

SECTION E. Source Group Restrictions.

VII. ADDITIONAL REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

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

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

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1500]

Subpart RRR -- National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production Applicability.

63.1500(a) The requirements of this subpart apply to the owner or operator of each secondary aluminum production facility as defined in § 63.1503.

63.1500(b) The requirements of this subpart apply to the following affected sources, located at a secondary aluminum production facility that is a major source of hazardous air pollutants (HAPs) as defined in § 63.2:

63.1500(b)(1) [NA - NO SCRAP SHREDDER]

63.1500(b)(2) [NA – NO THERMAL CHIP DRYERS]

63.1500(b)(3) [NA - NO SCRAP DRYER/DELACQUERING KILN/DECOATING KILN]

63.1500(b)(4) [NA - NO GROUP 2 FURNACE]

63.1500(b)(5) [NA - NO SWEAT FURNACE]

63.1500(b)(6) [NA - NO DROSS-ONLY FURNACE]

63.1500(b)(7) Each new and existing rotary dross cooler; and

63.1500(b)(8) Each new and existing secondary aluminum processing unit.

63.1500(c) The requirements of this subpart pertaining to dioxin and furan (D/F) emissions and associated operating, monitoring, reporting and recordkeeping requirements apply to the following affected sources, located at a secondary aluminum production facility that is an area source of HAPs as defined in § 63.2:

63.1500(c)(1) [NA - NO THERMAL CHIP DRYERS]

63.1500(c)(2) [NA - NO SCRAP DRYER/DELACQUERING KILN/DECOATING KILN]

63.1500(c)(3) [NA - NO SWEAT FURNACE]

63.1500(c)(4) Each new and existing secondary aluminum processing unit, containing one or more group 1 furnace

SECTION E. Source Group Restrictions.

emission units processing other than clean charge.

63.1500(d) The requirements of this subpart do not apply to facilities and equipment used for research and development that are not used to produce a saleable product.

63.1500(e) [NA - FACILITY IS A MAJOR SOURCE]

63.1500(f) [NA - NOT AN ALUMINUM DIE CASTING FACILITY, ALUMINUM FOUNDRY OR ALUMINUM EXTRUSION FACILITY]

[65 FR 15710, Mar. 23, 2000, as amended at 67 FR 79814, Dec. 30, 2002; 70 FR page 75346, Dec. 19, 2005]

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1501]

Subpart RRR -- National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production Dates.

[NA - FACILITY ALREADY IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF RRR]

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1505]

Subpart RRR -- National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production Emission standards for affected sources and emission units.

63.1505(a) Summary.

The owner or operator of a new or existing affected source must comply at all times with each applicable limit in this section, including periods of startup and shutdown. Table 1 to this subpart summarizes the emission standards for each type of source.

63.1505(b) [NA - NO ALUMINUM SCRAP SHREDDER]

63.1505(c) [NA - NO THERMAL CHIP DRYERS]

63.1505(d) [NA - NO SCRAP DRYER/DELACQUERING KILN/DECOATING KILN]

63.1505(e) [NA - NO SCRAP DRYER/DELACQUERING KILN/DECOATING KILN]

63.1505(f) [NA - NO SWEAT FURNACE]

63.1505(g) [NA - NO DROSS-ONLY FURNACE]

63.1505(h) Rotary dross cooler.

On and after the compliance date established by § 63.1501, the owner or operator of a rotary dross cooler at a secondary aluminum production facility that is a major source must not discharge or cause to be discharged to the atmosphere:

63.1505(h)(1) Emissions in excess of 0.09 g of PM per dscm (0.04 gr per dscf).

63.1505(h)(2) Visible emissions in excess of 10 percent opacity from any PM add-on air pollution control device if a COM is chosen as the monitoring option.

63.1505(i) Group 1 furnace.

The owner or operator of a group 1 furnace must use the limits in this paragraph to determine the emission standards for a SAPU.

63.1505(i)(1) 0.20 kg of PM per Mg (0.40 lb of PM per ton) of feed/charge from a group 1 furnace, that is not a melting/holding furnace processing only clean charge, at a secondary aluminum production facility that is a major source;

63.1505(i)(2) 0.40 kg of PM per Mg (0.80 lb of PM per ton) of feed/charge from a group 1 melting/holding furnace processing only clean charge at a secondary aluminum production facility that is a major source;

SECTION E. Source Group Restrictions.

63.1505(i)(3) 15 µg of D/F TEQ per Mg (2.1 × 10-4gr of D/F TEQ per ton) of feed/charge from a group 1 furnace at a secondary aluminum production facility that is a major or area source. This limit does not apply if the furnace processes only clean charge; and

63.1505(i)(4) 0.20 kg of HF per Mg (0.40 lb of HF per ton) of feed/charge from an uncontrolled group 1 furnace and 0.20 kg of HCl per Mg (0.40 lb of HCl per ton) of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight, for a group 1 furnace at a secondary aluminum production facility that is a major source.

63.1505(i)(5) The owner or operator of a group 1 furnace at a secondary aluminum production facility that is a major source must not discharge or cause to be discharged to the atmosphere visible emissions in excess of 10 percent opacity from any PM add-on air pollution control device if a COM is chosen as the monitoring option.

63.1505(i)(6) The owner or operator may determine the emission standards for a SAPU by applying the group 1 furnace limits on the basis of the aluminum production weight in each group 1 furnace, rather than on the basis of feed/charge.

63.1505(i)(7) The owner or operator of a sidewell group 1 furnace that conducts reactive fluxing (except for cover flux) in the hearth, or that conducts reactive fluxing in the sidewell at times when the level of molten metal falls below the top of the passage between the sidewell and the hearth, must comply with the emission limits of paragraphs (i)(1) through (4) of this section on the basis of the combined emissions from the sidewell and the hearth.

63.1505(j) In-line fluxer.

Except as provided in paragraph (j)(3) of this section for an in-line fluxer using no reactive flux material, the owner or operator of an in-line fluxer must use the limits in this paragraph to determine the emission standards for a SAPU.

63.1505(j)(1) 0.02 kg of HCl per Mg (0.04 lb of HCl per ton) of feed/charge;

63.1505(j)(2) 0.005 kg of PM per Mg (0.01 lb of PM per ton) of feed/charge.

63.1505(j)(3) The emission limits in paragraphs (j)(1) and (j)(2) of this section do not apply to an in-line fluxer that uses no reactive flux materials.

63.1505(j)(4) The owner or operator of an in-line fluxer at a secondary aluminum production facility that is a major source must not discharge or cause to be discharged to the atmosphere visible emissions in excess of 10 percent opacity from any PM add-on air pollution control device used to control emissions from the in-line fluxer, if a COM is chosen as the monitoring option.

63.1505(j)(5) The owner or operator may determine the emission standards for a SAPU by applying the in-line fluxer limits on the basis of the aluminum production weight in each in-line fluxer, rather than on the basis of feed/charge.

63.1505(k) Secondary aluminum processing unit.

The owner or operator must comply with the emission limits calculated using the equations for PM, HCl and HF in paragraphs (k)(1) and (2) of this section for each secondary aluminum processing unit at a secondary aluminum production facility that is a major source. The owner or operator must comply with the emission limit calculated using the equation for D/F in paragraph (k)(3) of this section for each secondary aluminum processing unit at a secondary aluminum production facility that is a major or area source.

63.1505(k)(1) The owner or operator must not discharge or allow to be discharged to the atmosphere any 3-day, 24-hour rolling average emissions of PM in excess of:

REFER TO REGULATION FOR EQUATION

Where:

SECTION E. Source Group Restrictions.

LtiPM = The PM emission limit for individual emission unit i in paragraph (i)(1) and (2) of this section for a group 1 furnace or in paragraph (j)(2) of this section for an in-line fluxer;
Tti = The mass of feed/charge for 24 hours for individual emission unit i; and
LcPM = The daily PM emission limit for the secondary aluminum processing unit which is used to calculate the 3-day, 24-hour PM emission limit applicable to the SAPU.

Note: In-line fluxers using no reactive flux materials cannot be included in this calculation since they are not subject to the PM limit.

63.1505(k)(2) The owner or operator must not discharge or allow to be discharged to the atmosphere any 3-day, 24-hour rolling average emissions of HCl or HF in excess of:

REFER TO REGULATION FOR EQUATION

Where:

LtiHCl/HF = The HCl emission limit for individual emission unit i in paragraph (i)(4) of this section for a group 1 furnace or in paragraph (j)(1) of this section for an in-line fluxer; or the HF emission limit for individual emission unit i in paragraph (i)(4) of this section for an uncontrolled group 1 furnace; and
LcHCl/HF = The daily HCl or HF emission limit for the secondary aluminum processing unit which is used to calculate the 3-day, 24-hour HCl or HF emission limit applicable to the SAPU.

Note: Only uncontrolled group 1 furnaces are included in this HF limit calculation. In-line fluxers using no reactive flux materials cannot be included in this calculation since they are not subject to the HCl or HF limit.

63.1505(k)(3) The owner or operator must not discharge or allow to be discharged to the atmosphere any 3-day, 24-hour rolling average emissions of D/F in excess of:

REFER TO REGULATION FOR EQUATION

Where:

LtiD/F = The D/F emission limit for individual emission unit i in paragraph (i)(3) of this section for a group 1 furnace; and
LcD/F = The daily D/F emission limit for the secondary aluminum processing unit which is used to calculate the 3-day, 24-hour D/F emission limit applicable to the SAPU.

Note: Clean charge furnaces cannot be included in this calculation since they are not subject to the D/F limit.

63.1505(k)(4) The owner or operator of a SAPU at a secondary aluminum production facility that is a major source may demonstrate compliance with the emission limits of paragraphs (k)(1) through (3) of this section by demonstrating that each emission unit within the SAPU is in compliance with the applicable emission limits of paragraphs (i) and (j) of this section.

63.1505(k)(5) The owner or operator of a SAPU at a secondary aluminum production facility that is an area source may demonstrate compliance with the emission limits of paragraph (k)(3) of this section by demonstrating that each emission unit within the SAPU is in compliance with the emission limit of paragraph (i)(3) of this section.

63.1505(k)(6) With the prior approval of the permitting authority for major sources, or the Administrator for area sources, an owner or operator may redesignate any existing group 1 furnace or in-line fluxer at a secondary aluminum production facility as a new emission unit. Any emission unit so redesignated may thereafter be included in a new SAPU at that facility. Any such redesignation will be solely for the purpose of this NESHAP and will be irreversible.

[65 FR 15710, Mar. 23, 2000, as amended at 67 FR 59792, Sept. 24, 2002; 67 FR 79816, Dec. 30, 2002; 67 FR 79816, Dec. 30, 2002; 70 FR page 57517, Oct. 3, 2005; 80 FR page 56739, Sept. 18, 2015]

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1506]
Subpart RRR -- National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production
Operating requirements.

SECTION E. Source Group Restrictions.

63.1506(a) Summary.

63.1506(a)(1) The owner or operator must operate all new and existing affected sources and control equipment according to the requirements in this section. The affected sources, and their associated control equipment, listed in § 63.1500(c)(1) through (4) of this subpart that are located at a secondary aluminum production facility that is an area source are subject to the operating requirements of paragraphs (b), (c), (d), (f), (g), (h), (m), (n), and (p) of this section.

63.1506(a)(2) [NA - NO SWEAT FURNACE]

63.1506(a)(3) [NA - NO SWEAT FURNACE]

63.1506(a)(4) Operating requirements are summarized in Table 2 to this subpart.

63.1506(a)(5) 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. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

63.1506(b) Labeling.

The owner or operator must provide and maintain easily visible labels posted at each group 1 furnace, group 2 furnace, in-line fluxer and scrap dryer/delacquering kiln/decoating kiln that identifies the applicable emission limits and means of compliance, including:

63.1506(b)(1) The type of affected source or emission unit (e.g., scrap dryer/delacquering kiln/decoating kiln, group 1 furnace, group 2 furnace, in-line fluxer).

63.1506(b)(2) The applicable operational standard(s) and control method(s) (work practice or control device). This includes, but is not limited to, the type of charge to be used for a furnace (e.g., clean scrap only, all scrap, etc.), flux materials and addition practices, and the applicable operating parameter ranges and requirements as incorporated in the OM& M plan.

63.1506(b)(3) [NA - DOES NOT USE AFTERBURNER OR SCRAP DRYER/DELACQUERING KILN/DECOATING KILN]

63.1506(c) Capture/collection systems.

For each affected source or emission unit equipped with an add-on air pollution control device, the owner or operator must:

63.1506(c)(1) Design and install a system for the capture and collection of emissions to meet the engineering standards for minimum exhaust rates or facial inlet velocities as contained in the ACGIH Guidelines (incorporated by reference, see § 63.14);

63.1506(c)(2) Vent captured emissions through a closed system, except that dilution air may be added to emission streams for the purpose of controlling temperature at the inlet to a fabric filter; and

63.1506(c)(3) Operate each capture/collection system according to the procedures and requirements in the OM& M plan.

63.1506(c)(4) [NA - NO SWEAT FURNACE]

63.1506(d) Feed/charge weight.

The owner or operator of each affected source or emission unit subject to an emission limit in kg/Mg (lb/ton) or µg/Mg (gr/ton) of feed/charge must:

63.1506(d)(1) Except as provided in paragraph (d)(3) of this section, install and operate a device that measures and

SECTION E. Source Group Restrictions.

records or otherwise determine the weight of feed/charge (or throughput) for each operating cycle or time period used in the performance test; and

63.1506(d)(2) Operate each weight measurement system or other weight determination procedure in accordance with the OM& M plan.

63.1506(d)(3) The owner or operator may chose to measure and record aluminum production weight from an affected source or emission unit rather than feed/charge weight to an affected source or emission unit, provided that:

63.1506(d)(3)(i) The aluminum production weight, rather than feed/charge weight is measured and recorded for all emission units within a SAPU; and

63.1506(d)(3)(ii) All calculations to demonstrate compliance with the emission limits for SAPUs are based on aluminum production weight rather than feed/charge weight.

63.1506(e) [NA - NO SCRAP SHREDDER]

63.1506(f) [NA - NO THERMAL CHIP DRYERS]

63.1506(g) [NA - NO SCRAP DRYER/DELACQUERING KILN/DECOATING KILN]

63.1506(h) [NA - NO SWEAT FURNACE]

63.1506(i) [NA - NO DROSS-ONLY FURNACE]

63.1506(j) Rotary dross cooler.

The owner or operator of a rotary dross cooler with emissions controlled by a fabric filter must:

63.1506(j)(1) If a bag leak detection system is used to meet the monitoring requirements in § 63.1510,

63.1506(j)(1)(i) Initiate corrective action within 1-hour of a bag leak detection system alarm and complete the corrective action procedures in accordance with the OM& M plan.

63.1506(j)(1)(ii) Operate each fabric filter system such that the bag leak detection system alarm does not sound more than 5 percent of the operating time during a 6-month block reporting period. In calculating this operating time fraction, if inspection of the fabric filter demonstrates that no corrective action is required, no alarm time is counted. If corrective action is required, each alarm shall be counted as a minimum of 1 hour. If the owner or operator takes longer than 1 hour to initiate corrective action, the alarm time shall be counted as the actual amount of time taken by the owner or operator to initiate corrective action.

63.1506(j)(2) [NA - COM SYSTEM NOT USED]

63.1506(k) In-line fluxer.

The owner or operator of an in-line fluxer with emissions controlled by a lime-injected fabric filter must:

63.1506(k)(1) If a bag leak detection system is used to meet the monitoring requirements in § 63.1510,

63.1506(k)(1)(i) Initiate corrective action within 1-hour of a bag leak detection system alarm and complete the corrective action procedures in accordance with the OM& M plan.

63.1506(k)(1)(ii) Operate each fabric filter system such that the bag leak detection system alarm does not sound more than 5 percent of the operating time during a 6-month block reporting period. In calculating this operating time fraction, if inspection of the fabric filter demonstrates that no corrective action is required, no alarm time is counted. If corrective action is required, each alarm shall be counted as a minimum of 1 hour. If the owner or operator takes longer than 1 hour to initiate corrective action, the alarm time shall be counted as the actual amount of time taken by the owner or operator to

SECTION E. Source Group Restrictions.

initiate corrective action.

63.1506(k)(2) [NA - COM SYSTEM NOT USED]

63.1506(k)(3) For a continuous injection system, maintain free-flowing lime in the hopper to the feed device at all times and maintain the lime feeder setting at or above the level established during the performance test.

63.1506(k)(4) Maintain the total reactive chlorine flux injection rate for each operating cycle or time period used in the performance test at or below the average rate established during the performance test.

63.1506(l) [NA - REACTIVE FLUX USED]

63.1506(m) Group 1 furnace with add-on air pollution control devices.

The owner or operator of a group 1 furnace with emissions controlled by a lime-injected fabric filter must:

63.1506(m)(1) If a bag leak detection system is used to meet the monitoring requirements in § 63.1510, the owner or operator must:

63.1506(m)(1)(i) Initiate corrective action within 1 hour of a bag leak detection system alarm.

63.1506(m)(1)(ii) Complete the corrective action procedures in accordance with the OM& M plan.

63.1506(m)(1)(iii) Operate each fabric filter system such that the bag leak detection system alarm does not sound more than 5 percent of the operating time during a 6-month block reporting period. In calculating this operating time fraction, if inspection of the fabric filter demonstrates that no corrective action is required, no alarm time is counted. If corrective action is required, each alarm shall be counted as a minimum of 1 hour. If the owner or operator takes longer than 1 hour to initiate corrective action, the alarm time shall be counted as the actual amount of time taken by the owner or operator to initiate corrective action.

63.1506(m)(2) [NA - COM SYSTEM NOT USED]

63.1506(m)(3) Maintain the 3-hour block average inlet temperature for each fabric filter at or below the average temperature established during the performance test, plus 14 ° C (plus 25 ° F).

63.1506(m)(4) For a continuous lime injection system, maintain free-flowing lime in the hopper to the feed device at all times and maintain the lime feeder setting at or above the level established during the performance test.

63.1506(m)(5) Maintain the total reactive chlorine flux injection rate for each operating cycle or time period used in the performance test at or below the average rate established during the performance test.

63.1506(m)(6) [NA - NO FLUXING IN SIDEWELL FURNACES]

63.1506(m)(7) The operation of capture/collection systems and control devices associated with natural gas-fired, propane-fired or electrically heated group 1 furnaces that will be idled for at least 24 hours after the furnace cycle has been completed may be temporarily stopped. Operation of these capture/collection systems and control devices must be restarted before feed/charge, flux or alloying materials are added to the furnace.

63.1506(n) Group 1 furnace without add-on air pollution control devices.

The owner or operator of a group 1 furnace (including a group 1 furnace that is part of a secondary aluminum processing unit) without add-on air pollution control devices must:

63.1506(n)(1) Maintain the total reactive chlorine flux injection rate and fluorine flux injection rate for each operating cycle or time period used in the performance test, at or below the average rate established during the performance test.

63.1506(n)(2) Operate each furnace in accordance with the work practice/pollution prevention measures documented in

SECTION E. Source Group Restrictions.

the OM& M plan and within the parameter values or ranges established in the OM& M plan.

63.1506(n)(3) Operate each group 1 melting/holding furnace subject to the emission standards in § 63.1505(i)(2) using only clean charge as the feedstock.

63.1506(o) [NA - NO GROUP 2 FURNACES]

63.1506(p) Corrective action.

When a process parameter or add-on air pollution control device operating parameter deviates from the value or range established during the performance test and incorporated in the OM& M plan, the owner or operator must initiate corrective action. Corrective action must restore operation of the affected source or emission unit (including the process or control device) to its normal or usual mode of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. Corrective actions taken must include follow-up actions necessary to return the process or control device parameter level(s) to the value or range of values established during the performance test and steps to prevent the likely recurrence of the cause of a deviation.

[65 FR 15710, Mar. 23, 2000, as amended at 67 FR 59792, Sept. 24, 2002; 67 FR 79816, Dec. 30, 2002; 69 FR page 53984, Sept. 3, 2004; 80 FR page 56740, Sept. 18, 2015]

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1510]

Subpart RRR -- National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production Monitoring requirements.

63.1510(a) Summary.

The owner or operator of a new or existing affected source or emission unit must monitor all control equipment and processes according to the requirements in this section. Monitoring requirements for each type of affected source and emission unit are summarized in Table 3 to this subpart. Area sources are subject to monitoring requirements for those affected sources listed in § 63.1500(c)(1) through (4) of this subpart, and associated control equipment as required by paragraphs (b) through (k), (n) through (q), and (s) through (w) of this section, including but not limited to:

63.1510(a)(1) The OM& M plan required in paragraph (b) of this section pertaining to each affected source listed in § 63.1500(c)(1) through (4) of this subpart,

63.1510(a)(2) The labeling requirements described in paragraph (c) of this section pertaining to group 1 furnaces processing other than clean charge, and scrap dryer/delacquering kiln/decoating kilns,

63.1510(a)(3) The requirements for capture and collection described in paragraph (d) of this section for each controlled affected source (i.e., affected sources with an add-on air pollution control device), listed in § 63.1500(c)(1) through (4) of this subpart,

63.1510(a)(4) The feed/charge weight monitoring requirements described in paragraph (e) of this section applicable to group 1 furnaces processing other than clean charge, scrap dryer/delacquering kiln/decoating kilns and thermal chip dryers,

63.1510(a)(5) The bag leak detection system requirements described in paragraph (f) of this section applicable to all bag leak detection systems installed on fabric filters and lime injected fabric filters used to control each affected source listed in § 63.1500(c)(1)-(4) of this subpart,

63.1510(a)(6) [NA - NO SWEAT FURNACE]

63.1510(a)(7) The requirements for monitoring fabric filter inlet temperature described in paragraph (h) of this section for all lime injected fabric filters used to control group 1 furnaces processing other than clean charge, sweat furnaces and scrap dryer/delacquering kiln/decoating kilns,

63.1510(a)(8) The requirements for monitoring lime injection described in paragraph (i) of this section applicable to all lime injected fabric filters used to control emissions from group 1 furnaces processing other than clean charge, thermal

SECTION E. Source Group Restrictions.

chip dryers, sweat furnaces and scrap dryer/delacquering kiln/decoating kilns,

63.1510(a)(9) The requirements for monitoring total reactive flux injection described in paragraph (j) of this section for all group 1 furnaces processing other than clean charge,

63.1510(a)(10) [NA - NO THERMAL CHIP DRYERS]

63.1510(a)(11) The requirements described in paragraph (n) of this section for controlled group 1 sidewell furnaces processing other than clean charge,

63.1510(a)(12) [NA - UNCONTROLLED SIDEWELL FURNACES ONLY PROCESS CLEAN CHARGE]

63.1510(a)(13) [NA - GROUP 1 FURNACES ARE CONTROLLED OR PROCESS CLEAN CHARGE ONLY]

63.1510(a)(14) [NA - GROUP 1 FURNACES ARE CONTROLLED OR PROCESS CLEAN CHARGE ONLY]

63.1510(a)(15) The requirements described in paragraph (s) of this section for secondary aluminum processing units, limited to compliance with limits for emissions of D/F from group 1 furnaces processing other than clean charge,

63.1510(a)(16) The requirements described in paragraph (t) of this section for secondary aluminum processing units limited to compliance with limits for emissions of D/F from group 1 furnaces processing other than clean charge,

63.1510(a)(17) The requirements described in paragraph (u) of this section for secondary aluminum processing units limited to compliance with limits for emissions of D/F from group 1 furnaces processing other than clean charge,

63.1510(a)(18) The requirements described in paragraph (v) of this section for alternative lime addition monitoring methods applicable to lime-injected fabric filters used to control emissions from group 1 furnaces processing other than clean charge, thermal chip dryers, sweat furnaces and scrap dryer/delacquering kiln/decoating kilns, and

63.1510(a)(19) The requirements described in paragraph (w) of this section for approval of alternate methods for monitoring group 1 furnaces processing other than clean charge, thermal chip dryers, scrap dryer/delacquering kiln/decoating kilns and sweat furnaces and associated control devices for the control of D/F emissions.

63.1510(b) Operation, maintenance, and monitoring (OM& M) plan.

The owner or operator must prepare and implement for each new or existing affected source and emission unit, a written OM&M plan. The owner or operator of an existing affected source must submit the OM&M plan to the permitting authority for major sources, or the Administrator for area sources no later than the compliance date established by §63.1501. The owner or operator of any new affected source must submit the OM&M plan to the permitting authority for major sources, or the Administrator for area sources within 90 days after a successful initial performance test under §63.1511(b), or within 90 days after the compliance date established by §63.1501 if no initial performance test is required. The plan must be accompanied by a written certification by the owner or operator that the OM&M plan satisfies all requirements of this section and is otherwise consistent with the requirements of this subpart. The owner or operator must comply with all of the provisions of the OM&M plan as submitted to the permitting authority for major sources, or the Administrator for area sources, unless and until the plan is revised in accordance with the following procedures. If the permitting authority for major sources, or the Administrator for area sources determines at any time after receipt of the OM&M plan that any revisions of the plan are necessary to satisfy the requirements of this section or this subpart, the owner or operator must promptly make all necessary revisions and resubmit the revised plan. If the owner or operator determines that any other revisions of the OM&M plan are necessary, such revisions will not become effective until the owner or operator submits a description of the changes and a revised plan incorporating them to the permitting authority for major sources, or the Administrator for area sources. Each plan must contain the following information:

63.1510(b)(1) Process and control device parameters to be monitored to determine compliance, along with established operating levels or ranges, as applicable, for each process and control device.

63.1510(b)(2) A monitoring schedule for each affected source and emission unit.

SECTION E. Source Group Restrictions.

63.1510(b)(3) Procedures for the proper operation and maintenance of each process unit and add-on control device used to meet the applicable emission limits or standards in § 63.1505.

63.1510(b)(4) Procedures for the proper operation and maintenance of monitoring devices or systems used to determine compliance, including:

63.1510(b)(4)(i) Calibration and certification of accuracy of each monitoring device, at least once every 6 months, according to the manufacturer's instructions; and

63.1510(b)(4)(ii) [NA - NO CEM OR COM SYSTEM]

63.1510(b)(5) Procedures for monitoring process and control device parameters, including lime injection rates, procedures for annual inspections of afterburners, and if applicable, the procedure to be used for determining charge/feed (or throughput) weight if a measurement device is not used.

63.1510(b)(6) Corrective actions to be taken when process or operating parameters or add-on control device parameters deviate from the value or range established in paragraph (b)(1) of this section, including:

63.1510(b)(6)(i) Procedures to determine and record the cause of any deviation or excursion, and the time the deviation or excursion began and ended; and

63.1510(b)(6)(ii) Procedures for recording the corrective action taken, the time corrective action was initiated, and the time/date corrective action was completed.

63.1510(b)(7) A maintenance schedule for each process and control device that is consistent with the manufacturer's instructions and recommendations for routine and long-term maintenance.

63.1510(b)(8) Documentation of the work practice and pollution prevention measures used to achieve compliance with the applicable emission limits and a site-specific monitoring plan as required in paragraph (o) of this section for each group 1 furnace not equipped with an add-on air pollution control device.

63.1510(b)(9) Procedures to be followed when changing furnace classifications under the provisions of § 63.1514.

63.1510(c) Labeling.

The owner or operator must inspect the labels for each group 1 furnace, group 2 furnace, in-line fluxer and scrap dryer/delacquering kiln/decoating kiln at least once per calendar month to confirm that posted labels as required by the operational standard in § 63.1506(b) are intact and legible.

63.1510(d) Capture/collection system.

The owner or operator must:

63.1510(d)(1) Install, operate, and maintain a capture/collection system for each affected source and emission unit equipped with an add-on air pollution control device; and

63.1510(d)(2) Inspect each capture/collection and closed vent system at least once each calendar year to ensure that each system is operating in accordance with the operating requirements in § 63.1506(c) and record the results of each inspection. This inspection shall include a volumetric flow rate measurement taken at a location in the ductwork downstream of the hoods that is representative of the actual volumetric flow rate without interference due to leaks, ambient air added for cooling or ducts from other hoods. The flow rate measurement must be performed in accordance with paragraphs (d)(2)(i), (ii), or (iii) of this section. As an alternative to the flow rate measurement specified in this paragraph, the inspection may satisfy the requirements of this paragraph, including the operating requirements in § 63.1506(c), by including permanent total enclosure verification in accordance with paragraph (d)(2)(i) or (iv) of this section. Inspections that fail to successfully demonstrate that the requirements of § 63.1506(c) are met, must be followed by repair or adjustment to the system operating conditions and a follow up inspection within 45 days to demonstrate that § 63.1506(c) requirements are fully met.

SECTION E. Source Group Restrictions.

63.1510(d)(2)(i) Conduct annual flow rate measurements using EPA Methods 1 and 2 in Appendix A to 40 CFR part 60, or conduct annual verification of a permanent total enclosure using EPA Method 204; or you may follow one of the three alternate procedures described in paragraphs (ii), (iii), or (iv) of this section to maintain system operations in accordance with an operating limit established during the performance test. The operating limit is determined as the average reading of a parametric monitoring instrument (Magnehelic®, manometer, anemometer, or other parametric monitoring instrument) and technique as described in paragraphs (d)(2)(ii), (iii), and (iv) of this section. A deviation, as defined in paragraphs (ii), (iii), and (iv) of this section, from the parametric monitoring operating limit requires the owner or operator to make repairs or adjustments to restore normal operation within 45 days.

63.1510(d)(2)(ii) As an alternative to annual flow rate measurements using EPA Methods 1 and 2, measurement with EPA Methods 1 and 2 can be performed once every 5 years, provided that:

63.1510(d)(2)(ii)(A) A flow rate indicator consisting of a pitot tube and differential pressure gauge (Magnehelic®, manometer or other differential pressure gauge) is installed with the pitot tube tip located at a representative point of the duct proximate to the location of the Methods 1 and 2 measurement site; and

63.1510(d)(2)(ii)(B) The flow rate indicator is installed and operated in accordance with the manufacturer's specifications; and

63.1510(d)(2)(ii)(C) The differential pressure is recorded during the Method 2 performance test series; and

63.1510(d)(2)(ii)(D) Daily differential pressure readings are made by taking three measurements with at least 5 minutes between each measurement and averaging the three measurements; and readings are recorded daily and maintained at or above 90 percent of the average pressure differential indicated by the flow rate indicator during the most recent Method 2 performance test series; and

63.1510(d)(2)(ii)(E) An inspection of the pitot tube and associated lines for damage, plugging, leakage and operational integrity is conducted at least once per year; or

63.1510(d)(2)(iii) As an alternative to annual flow rate measurements using EPA Methods 1 and 2, measurement with EPA Methods 1 and 2 can be performed once every 5 years, provided that:

63.1510(d)(2)(iii)(A) Daily measurements of the capture and collection system's fan revolutions per minute (RPM) or fan motor amperage (amps) are made by taking three measurements with at least 5 minutes between each measurement, and averaging the three measurements; and readings are recorded daily and maintained at or above 90 percent of the average RPM or amps measured during the most recent Method 2 performance test series; or

63.1510(d)(2)(iii)(B) A static pressure measurement device is installed in the duct immediately downstream of the hood exit, and daily pressure readings are made by taking three measurements with at least 5 minutes between each measurement, and averaging the three measurements; and readings are recorded daily and maintained at 90 percent or better of the average vacuum recorded during the most recent Method 2 performance test series; or

63.1510(d)(2)(iii)(C) A hotwire anemometer, ultrasonic flow meter, cross-duct pressure differential sensor, venturi pressure differential monitoring or orifice plate equipped with an associated thermocouple and automated data logging software and associated hardware is installed; and daily readings are made by taking three measurements with at least 5 minutes between each measurement, and averaging the three measurements; and readings are recorded daily and maintained at 90 percent or greater of the average readings during the most recent Method 2 performance test series; or

63.1510(d)(2)(iii)(D) For booth-type hoods, hotwire anemometer measurements of hood face velocity are performed simultaneously with EPA Method 1 and 2 measurements, and the annual hood face velocity measurements confirm that the enclosure draft is maintained at 90 percent or greater of the average readings during the most recent Method 2 performance test series. Daily readings are made by taking three measurements with at least 5 minutes between each measurement, and averaging the three measurements; and readings are recorded daily and maintained at 90 percent or greater of the average readings during the most recent Method 1 and 2 performance test series.

63.1510(d)(2)(iv) As an alternative to the annual verification of a permanent total enclosure using EPA Method 204,

SECTION E. Source Group Restrictions.

verification can be performed once every 5 years, provided that:

63.1510(d)(2)(iv)(A) Negative pressure in the enclosure is directly monitored by a pressure indicator installed at a representative location;

63.1510(d)(2)(iv)(B) Pressure readings are recorded daily or the system is interlocked to halt material feed should the system not operate under negative pressure;

63.1510(d)(2)(iv)(C) An inspection of the pressure indicator for damage and operational integrity is conducted at least once per calendar year.

63.1510(d)(3) [NA - NO SWEAT FURNACES]

63.1510(e) Feed/charge weight

63.1510(e)(1) The accuracy of the weight measurement device or procedure must be ± 1 percent of the weight being measured. The owner or operator may apply to the permitting agency for approval to use a device of alternative accuracy if the required accuracy cannot be achieved as a result of equipment layout or charging practices. A device of alternative accuracy will not be approved unless the owner or operator provides assurance through data and information that the affected source will meet the relevant emission standard.

63.1510(e)(2) The owner or operator must verify the calibration of the weight measurement device in accordance with the schedule specified by the manufacturer, or if no calibration schedule is specified, at least once every 6 months.

63.1510(f) Fabric filters and lime-injected fabric filters.

The owner or operator of an affected source or emission unit using a fabric filter or lime-injected fabric filter to comply with the requirements of this subpart must install, calibrate, maintain, and continuously operate a bag leak detection system as required in paragraph (f)(1) of this section or a continuous opacity monitoring system as required in paragraph (f)(2) of this section. The owner or operator of an aluminum scrap shredder must install and operate a bag leak detection system as required in paragraph (f)(1) of this section, install and operate a continuous opacity monitoring system as required in paragraph (f)(2) of this section, or conduct visible emission observations as required in paragraph (f)(3) of this section.

63.1510(f)(1) These requirements apply to the owner or operator of a new or existing affected source or existing emission unit using a bag leak detection system.

63.1510(f)(1)(i) The owner or operator must install and operate a bag leak detection system for each exhaust stack of a fabric filter.

63.1510(f)(1)(ii) Each bag leak detection system must be installed, calibrated, operated, and maintained according to the manufacturer's operating instructions.

63.1510(f)(1)(iii) The bag leak detection system must be certified by the manufacturer to be capable of detecting PM emissions at concentrations of 10 milligrams per actual cubic meter (0.0044 grains per actual cubic foot) or less.

63.1510(f)(1)(iv) The bag leak detection system sensor must provide output of relative or absolute PM loadings.

63.1510(f)(1)(v) The bag leak detection system must be equipped with a device to continuously record the output signal from the sensor.

63.1510(f)(1)(vi) The bag leak detection system must be equipped with an alarm system that will sound automatically when an increase in relative PM emissions over a preset level is detected. The alarm must be located where it is easily heard by plant operating personnel.

63.1510(f)(1)(vii) For positive pressure fabric filter systems, a bag leak detection system must be installed in each baghouse compartment or cell. For negative pressure or induced air fabric filters, the bag leak detector must be installed downstream of the fabric filter.

SECTION E. Source Group Restrictions.

63.1510(f)(1)(viii) Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.

63.1510(f)(1)(ix) The baseline output must be established by adjusting the range and the averaging period of the device and establishing the alarm set points and the alarm delay time.

63.1510(f)(1)(x) Following initial adjustment of the system, the owner or operator must not adjust the sensitivity or range, averaging period, alarm set points, or alarm delay time except as detailed in the OM& M plan. In no case may the sensitivity be increased by more than 100 percent or decreased more than 50 percent over a 365-day period unless such adjustment follows a complete fabric filter inspection which demonstrates that the fabric filter is in good operating condition.

63.1510(f)(2) [NA - NO COM SYSTEM]

63.1510(f)(3) [NA - NO SCRAP SHREDDER]

63.1510(f)(4) [NA - NO SCRAP SHREDDER]

63.1510(g) [NA - NO AFTERBURNER]

63.1510(h) Fabric filter inlet temperature.

These requirements apply to the owner or operator of a scrap dryer/delacquering kiln/decoating kiln or a group 1 furnace using a lime-injected fabric filter to comply with the requirements of this subpart.

63.1510(h)(1) The owner or operator must install, calibrate, maintain, and operate a device to continuously monitor and record the temperature of the fabric filter inlet gases consistent with the requirements for continuous monitoring systems in subpart A of this part.

63.1510(h)(2) The temperature monitoring device must meet each of these performance and equipment specifications:

63.1510(h)(2)(i) The monitoring system must record the temperature in 15-minute block averages and calculate and record the average temperature for each 3-hour block period.

63.1510(h)(2)(ii) The recorder response range must include zero and 1.5 times the average temperature established according to the requirements in § 63.1512(n).

63.1510(h)(2)(iii) The reference method must be a National Institute of Standards and Technology calibrated reference thermocouple-potentiometer system or alternate reference, subject to approval by the Administrator.

63.1510(i) Lime injection.

These requirements apply to the owner or operator of an affected source or emission unit using a lime-injected fabric filter to comply with the requirements of this subpart.

63.1510(i)(1) The owner or operator of a continuous lime injection system must verify that lime is always free-flowing by either:

63.1510(i)(1)(i) Inspecting each feed hopper or silo at least once each 8-hour period and recording the results of each inspection. If lime is found not to be free-flowing during any of the 8-hour periods, the owner or operator must increase the frequency of inspections to at least once every 4-hour period for the next 3 days. The owner or operator may return to inspections at least once every 8 hour period if corrective action results in no further blockages of lime during the 3-day period; or

63.1510(i)(1)(ii) Subject to the approval of the permitting agency, installing, operating and maintaining a load cell, carrier gas/lime flow indicator, carrier gas pressure drop measurement system or other system to confirm that lime is free-flowing. If lime is found not to be free-flowing, the owner or operator must promptly initiate and complete corrective action, or

SECTION E. Source Group Restrictions.

63.1510(i)(1)(iii) Subject to the approval of the permitting agency, installing, operating and maintaining a device to monitor the concentration of HCl at the outlet of the fabric filter. If an increase in the concentration of HCl indicates that the lime is not free-flowing, the owner or operator must promptly initiate and complete corrective action.

63.1510(i)(2) The owner or operator of a continuous lime injection system must record the lime feeder setting once each day of operation.

63.1510(i)(3) An owner or operator who intermittently adds lime to a lime-injected fabric filter must obtain approval from the permitting authority for major sources, or the Administrator for area sources for a lime addition monitoring procedure. The permitting authority for major sources, or the Administrator for area sources will not approve a monitoring procedure unless data and information are submitted establishing that the procedure is adequate to ensure that relevant emission standards will be met on a continuous basis.

63.1510(i)(4) At least once per month, verify that the lime injection rate in pounds per hour (lb/hr) is no less than 90 percent of the lime injection rate used to demonstrate compliance during your most recent performance test. If the monthly check of the lime injection rate is below the 90 percent, the owner or operator must repair or adjust the lime injection system to restore normal operation within 45 days. The owner or operator may request from the permitting authority for major sources, or the Administrator for area sources, an extension of up to an additional 45 days to demonstrate that the lime injection rate is no less than 90 percent of the lime injection rate used to demonstrate compliance during the most recent performance test. In the event that a lime feeder is repaired or replaced, the feeder must be calibrated, and the feed rate must be restored to the lb/hr feed rate operating limit established during the most recent performance test within 45 days. The owner or operator may request from the permitting authority for major sources, or the Administrator for area sources, an extension of up to an additional 45 days to complete the repair or replacement and establishing a new setting. The repair or replacement, and the establishment of the new feeder setting(s) must be documented in accordance with the recordkeeping requirements of § 63.1517.

63.1510(j) Total reactive flux injection rate.

These requirements apply to the owner or operator of a group 1 furnace (with or without add-on air pollution control devices) or in-line fluxer. The owner or operator must:

63.1510(j)(1) Install, calibrate, operate, and maintain a device to continuously measure and record the weight of gaseous or liquid reactive flux injected to each affected source or emission unit.

63.1510(j)(1)(i) The monitoring system must record the weight for each 15-minute block period, during which reactive fluxing occurs, over the same operating cycle or time period used in the performance test.

63.1510(j)(1)(ii) The accuracy of the weight measurement device must be ± 1 percent of the weight of the reactive component of the flux being measured. The owner or operator may apply to the permitting authority for major sources, or the Administrator for area sources for permission to use a weight measurement device of alternative accuracy in cases where the reactive flux flow rates are so low as to make the use of a weight measurement device of ± 1 percent impracticable. A device of alternative accuracy will not be approved unless the owner or operator provides assurance through data and information that the affected source will meet the relevant emission standards.

63.1510(j)(1)(iii) The owner or operator must verify the calibration of the weight measurement device in accordance with the schedule specified by the manufacturer, or if no calibration schedule is specified, at least once every 6 months.

63.1510(j)(2) Calculate and record the gaseous or liquid reactive flux injection rate (kg/Mg or lb/ton) for each operating cycle or time period used in the performance test using the procedure in § 63.1512(o).

63.1510(j)(3) Record, for each 15-minute block period during each operating cycle or time period used in the performance test during which reactive fluxing occurs, the time, weight, and type of flux for each addition of:

63.1510(j)(3)(i) Gaseous or liquid reactive flux other than chlorine; and

63.1510(j)(3)(ii) Solid reactive flux.

SECTION E. Source Group Restrictions.

63.1510(j)(4) Calculate and record the total reactive flux injection rate for each operating cycle or time period used in the performance test using the procedure in § 63.1512(o). For solid flux that is added intermittently, record the amount added for each operating cycle or time period used in the performance test using the procedures in § 63.1512(o).

63.1510(j)(5) The owner or operator of a group 1 furnace or in-line fluxer performing reactive fluxing may apply to the Administrator for approval of an alternative method for monitoring and recording the total reactive flux addition rate based on monitoring the weight or quantity of reactive flux per ton of feed/charge for each operating cycle or time period used in the performance test. An alternative monitoring method will not be approved unless the owner or operator provides assurance through data and information that the affected source will meet the relevant emission standards on a continuous basis.

63.1510(k) [NA - NO THERMAL CHIP DRYERS]

63.1510(l) [NA - NO DROSS-ONLY FURNACE]

63.1510(m) [NA - USES REACTIVE FLUX]

63.1510(n) [NA - NO SIDEWELL GROUP 1 FURNACE]

63.1510(o) [NA - GROUP 1 FURNACES USE ADD-ON AIR POLLUTION CONTROL DEVICES]

63.1510(p) [NA - GROUP 1 FURNACES USE ADD-ON AIR POLLUTION CONTROL DEVICES]

63.1510(q) [NA - GROUP 1 FURNACES USE ADD-ON AIR POLLUTION CONTROL DEVICES]

63.1510(r) [NA - NO GROUP 2 FURNACE]

63.1510(s) Site-specific requirements for secondary aluminum processing units.

63.1510(s)(1) An owner or operator of a secondary aluminum processing unit at a facility must include, within the OM& M plan prepared in accordance with § 63.1510(b), the following information:

63.1510(s)(1)(i) The identification of each emission unit in the secondary aluminum processing unit;

63.1510(s)(1)(ii) The specific control technology or pollution prevention measure to be used for each emission unit in the secondary aluminum processing unit and the date of its installation or application;

63.1510(s)(1)(iii) The emission limit calculated for each secondary aluminum processing unit and performance test results with supporting calculations demonstrating initial compliance with each applicable emission limit;

63.1510(s)(1)(iv) Information and data demonstrating compliance for each emission unit with all applicable design, equipment, work practice or operational standards of this subpart; and

63.1510(s)(1)(v) The monitoring requirements applicable to each emission unit in a secondary aluminum processing unit and the monitoring procedures for daily calculation of the 3-day, 24-hour rolling average using the procedure in § 63.1510(t).

63.1510(s)(2) The SAPU compliance procedures within the OM& M plan may not contain any of the following provisions:

63.1510(s)(2)(i) Any averaging among emissions of differing pollutants;

63.1510(s)(2)(ii) The inclusion of any affected sources other than emission units in a secondary aluminum processing unit;

63.1510(s)(2)(iii) The inclusion of any emission unit while it is shutdown; or

63.1510(s)(2)(iv) The inclusion of any periods of startup or shutdown in emission calculations.

SECTION E. Source Group Restrictions.

63.1510(s)(3) To revise the SAPU compliance provisions within the OM& M plan prior to the end of the permit term, the owner or operator must submit a request to the permitting authority for major sources, or the Administrator for area sources containing the information required by paragraph (s)(1) of this section and obtain approval of the permitting authority for major sources, or the Administrator for area sources prior to implementing any revisions.

63.1510(t) Secondary aluminum processing unit.

Except as provided in paragraph (u) of this section, the owner or operator must calculate and record the 3-day, 24-hour rolling average emissions of PM, HCl, and D/F (and HF for uncontrolled group 1 furnaces) for each secondary aluminum processing unit on a daily basis. To calculate the 3-day, 24-hour rolling average, the owner or operator must:

63.1510(t)(1) Calculate and record the total weight of material charged to each emission unit in the secondary aluminum processing unit for each 24-hour day of operation using the feed/charge weight information required in paragraph (e) of this section. If the owner or operator chooses to comply on the basis of weight of aluminum produced by the emission unit, rather than weight of material charged to the emission unit, all performance test emissions results and all calculations must be conducted on the aluminum production weight basis.

63.1510(t)(2) Multiply the total feed/charge weight to the emission unit, or the weight of aluminum produced by the emission unit, for each emission unit for the 24-hour period by the emission rate (in lb/ton of feed/charge) for that emission unit (as determined during the performance test) to provide emissions for each emission unit for the 24-hour period, in pounds.

63.1510(t)(2)(i) Where no performance test has been conducted, for a particular emission unit, because the owner of operator has, with the approval of the permitting authority for major sources, or the Administrator for area sources, chosen to determine the emission rate of an emission unit by testing a representative unit, in accordance with § 63.1511(f), the owner or operator shall use the emission rate determined from the representative unit in the SAPU emission rate calculation required in § 63.1510(t)(4).

63.1510(t)(2)(ii) Except as provided in paragraph (t)(2)(iii) of this section, if the owner or operator has not conducted performance tests for HCl (and HF for an uncontrolled group 1 furnace) or for HCl for an in-line fluxer, in accordance with the provisions of § 63.1512(d)(3), (e)(3), or (h)(2), the calculation required in § 63.1510(t)(4) to determine SAPU-wide HCl and HF emissions shall be made under the assumption that all chlorine contained in reactive flux added to the emission unit is emitted as HCl and all fluorine contained in reactive flux added to the emission unit is emitted as HF.

63.1510(t)(2)(iii) Prior to the date by which the initial performance test for HF emissions from uncontrolled group 1 furnaces is conducted, or is required to be conducted, the calculation required in § 63.1505(k) to determine the SAPU-wide HF emission limit and the calculation required in § 63.1510(t)(4) to determine the SAPU-wide HF emission rate must exclude HF emissions from untested uncontrolled group 1 furnaces and feed/charge processed in untested uncontrolled group 1 furnaces.

63.1510(t)(3) Divide the total emissions for each SAPU for the 24-hour period by the total material charged to the SAPU, or the weight of aluminum produced by the SAPU over the 24-hour period to provide the daily emission rate for the SAPU.

63.1510(t)(4) Compute the 24-hour daily emission rate using Equation 4:

REFER TO REGULATION FOR EQUATION

Where:

Eday = The daily PM, HCl, and D/F (and HF for uncontrolled group 1 furnaces) emission rate for the secondary aluminum processing unit for the 24-hour period;
Ti = The total amount of feed, or aluminum produced, for emission unit i for the 24-hour period (tons or Mg);
ERi = The measured emission rate for emission unit i as determined in the performance test (lb/ton or µg/Mg of feed/charge); and
n = The number of emission units in the secondary aluminum processing unit.

SECTION E. Source Group Restrictions.

63.1510(t)(5) Calculate and record the 3-day, 24-hour rolling average for each pollutant each day by summing the daily emission rates for each pollutant over the 3 most recent consecutive days and dividing by 3. The SAPU is in compliance with an applicable emission limit if the 3-day, 24-hour rolling average for each pollutant is no greater than the applicable SAPU emission limit determined in accordance with § 63.1505(k)(1)-(3).

63.1510(u) Secondary aluminum processing unit compliance by individual emission unit demonstration.

As an alternative to the procedures of paragraph (t) of this section, an owner or operator may demonstrate, through performance tests, that each individual emission unit within the secondary aluminum production unit is in compliance with the applicable emission limits for the emission unit.

63.1510(v) Alternative monitoring method for lime addition.

The owner or operator of a lime-coated fabric filter that employs intermittent or noncontinuous lime addition may apply to the Administrator for approval of an alternative method for monitoring the lime addition schedule and rate based on monitoring the weight of lime added per ton of feed/charge for each operating cycle or time period used in the performance test. An alternative monitoring method will not be approved unless the owner or operator provides assurance through data and information that the affected source will meet the relevant emission standards on a continuous basis.

63.1510(w) Alternative monitoring methods.

If an owner or operator wishes to use an alternative monitoring method to demonstrate compliance with any emission standard in this subpart, other than those alternative monitoring methods which may be authorized pursuant to § 63.1510(j)(5) and § 63.1510(v), the owner or operator may submit an application to the Administrator. Any such application will be processed according to the criteria and procedures set forth in paragraphs (w)(1) through (6) of this section.

63.1510(w)(1) The Administrator will not approve averaging periods other than those specified in this section.

63.1510(w)(2) The owner or operator must continue to use the original monitoring requirement until necessary data are submitted and approval is received to use another monitoring procedure.

63.1510(w)(3) The owner or operator shall submit the application for approval of alternate monitoring methods no later than the notification of the performance test. The application must contain the information specified in paragraphs (w)(3) (i) through (iii) of this section:

63.1510(w)(3)(i) Data or information justifying the request, such as the technical or economic infeasibility, or the impracticality of using the required approach;

63.1510(w)(3)(ii) A description of the proposed alternative monitoring requirements, including the operating parameters to be monitored, the monitoring approach and technique, and how the limit is to be calculated; and

63.1510(w)(3)(iii) Data and information documenting that the alternative monitoring requirement(s) would provide equivalent or better assurance of compliance with the relevant emission standard(s).

63.1510(w)(4) The Administrator will not approve an alternate monitoring application unless it would provide equivalent or better assurance of compliance with the relevant emission standard(s). Before disapproving any alternate monitoring application, the Administrator will provide:

63.1510(w)(4)(i) Notice of the information and findings upon which the intended disapproval is based; and

63.1510(w)(4)(ii) Notice of opportunity for the owner or operator to present additional supporting information before final action is taken on the application. This notice will specify how much additional time is allowed for the owner or operator to provide additional supporting information.

63.1510(w)(5) The owner or operator is responsible for submitting any supporting information in a timely manner to enable the Administrator to consider the application prior to the performance test. Neither submittal of an application nor the Administrator's failure to approve or disapprove the application relieves the owner or operator of the responsibility to comply

SECTION E. Source Group Restrictions.

with any provisions of this subpart.

63.1510(w)(6) The Administrator may decide at any time, on a case-by-case basis, that additional or alternative operating limits, or alternative approaches to establishing operating limits, are necessary to demonstrate compliance with the emission standards of this subpart.

[65 FR 15710, Mar. 23, 2000, as amended at 67 FR 59792, Sept. 24, 2002; 67 FR 79816, Dec. 30, 2002; 69 FR 53984, Sept. 3, 2004; 80 FR 56741, Sept. 18, 2015; 81 FR 38087, June 13, 2016]

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1511]

Subpart RRR -- National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production

Performance test/compliance demonstration general requirements.

63.1511(a) Site-specific test plan.

Prior to conducting any performance test required by this subpart, the owner or operator must prepare a site-specific test plan which satisfies all of the rule requirements, and must obtain approval of the plan pursuant to the procedures set forth in § 63.7. Performance tests shall be conducted under such conditions as the Administrator specifies to the owner or operator based on representative performance of the affected source for the period being tested. Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests.

63.1511(b) [NA - INITIAL PERFORMANCE TEST ALREADY CONDUCTED]

63.1511(c) Test methods.

The owner or operator must use the following methods in appendix A to 40 CFR part 60 to determine compliance with the applicable emission limits or standards:

63.1511(c)(1) Method 1 for sample and velocity traverses.

63.1511(c)(2) Method 2 for velocity and volumetric flow rate.

63.1511(c)(3) Method 3 for gas analysis.

63.1511(c)(4) Method 4 for moisture content of the stack gas.

63.1511(c)(5) Method 5 for the concentration of PM.

63.1511(c)(6) Method 9 for visible emission observations.

63.1511(c)(7) Method 23 for the concentration of D/F.

63.1511(c)(8) Method 25A for the concentration of THC, as propane.

63.1511(c)(9) Method 26A for the concentration of HCl and HF. Method 26 may also be used, except at sources where entrained water droplets are present in the emission stream. Where a lime-injected fabric filter is used as the control device to comply with the 90 percent reduction standard, the owner or operator must measure the fabric filter inlet concentration of HCl at a point before lime is introduced to the system.

63.1511(d) Alternative methods.

The owner or operator may use alternative test methods as provided in paragraphs (d)(1) through (3) of this section.

63.1511(d)(1) The owner or operator may use test method ASTM D7520-13 as an alternative to EPA Method 9 subject to conditions described in § 63.1510(f)(4).

63.1511(d)(2) In lieu of conducting the annual flow rate measurements using Methods 1 and 2, the owner or operator

SECTION E. Source Group Restrictions.

may use Method 204 in Appendix M to 40 CFR part 51 to conduct annual verification of a permanent total enclosure for the affected source/emission unit.

63.1511(d)(3) The owner or operator may use an alternative test method approved by the Administrator.

63.1511(e) Repeat tests.

The owner or operator of new or existing affected sources and emission units located at secondary aluminum production facilities that are major sources must conduct a performance test every 5 years following the initial performance test.

63.1511(f) Testing of representative emission units.

With the prior approval of the permitting authority for major sources, or the Administrator for area sources, an owner or operator may utilize emission rates obtained by testing a particular type of group 1 furnace that does not have an add-on air pollution control device, or by testing an in-line flux box that does not have an add-on air pollution control device, to determine the emission rate for other units of the same type at the same facility. Such emission test results may only be considered to be representative of other units if all of the following criteria are satisfied:

63.1511(f)(1) The tested emission unit must use feed materials and charge rates which are comparable to the emission units that it represents;

63.1511(f)(2) The tested emission unit must use the same type of flux materials in the same proportions as the emission units it represents;

63.1511(f)(3) The tested emission unit must be operated utilizing the same work practices as the emission units that it represents;

63.1511(f)(4) The tested emission unit must be of the same design as the emission units that it represents; and

63.1511(f)(5) The tested emission unit must be tested under the highest load or capacity reasonably expected to occur for any of the emission units that it represents.

63.1511(f)(6) All 3 separate runs of a performance test must be conducted on the same emission unit.

63.1511(g) Establishment of monitoring and operating parameter values.

The owner or operator of new or existing affected sources and emission units must establish a minimum or maximum operating parameter value, or an operating parameter range for each parameter to be monitored as required by § 63.1510 that ensures compliance with the applicable emission limit or standard. To establish the minimum or maximum value or range, the owner or operator must use the appropriate procedures in this section and submit the information required by § 63.1515(b)(4) in the notification of compliance status report. The owner or operator may use existing data in addition to the results of performance tests to establish operating parameter values for compliance monitoring provided each of the following conditions are met to the satisfaction of the permitting authority for major sources, or the Administrator for area sources:

63.1511(g)(1) The complete emission test report(s) used as the basis of the parameter(s) is submitted.

63.1511(g)(2) The same test methods and procedures as required by this subpart were used in the test.

63.1511(g)(3) The owner or operator certifies that no design or work practice changes have been made to the source, process, or emission control equipment since the time of the report.

63.1511(g)(4) All process and control equipment operating parameters required to be monitored were monitored as required in this subpart and documented in the test report.

63.1511(g)(5) If the owner or operator wants to conduct a new performance test and establish different operating parameter values, they must submit a revised site specific test plan and receive approval in accordance with paragraph (a)

SECTION E. Source Group Restrictions.

of this section. In addition, if an owner or operator wants to use existing data in addition to the results of the new performance test to establish operating parameter values, they must meet the requirements in paragraphs (g)(1) through (4) of this section.

63.1511(h) Testing of commonly-ducted units within a secondary aluminum processing unit.

When group 1 furnaces and/or in-line fluxers are included in a single existing SAPU or new SAPU, and the emissions from more than one emission unit within that existing SAPU or new SAPU are manifolded to a single control device, compliance for all units within the SAPU is demonstrated if the total measured emissions from all controlled and uncontrolled units in the SAPU do not exceed the emission limits calculated for that SAPU based on the applicable equation in § 63.1505(k).

63.1511(i) Testing of commonly-ducted units not within a secondary aluminum processing unit.

With the prior approval of the permitting authority for major sources, or the Administrator for area sources, an owner or operator may do combined performance testing of two or more individual affected sources or emission units which are not included in a single existing SAPU or new SAPU, but whose emissions are manifolded to a single control device. Any such performance testing of commonly-ducted units must satisfy the following basic requirements:

63.1511(i)(1) All testing must be designed to verify that each affected source or emission unit individually satisfies all emission requirements applicable to that affected source or emission unit;

63.1511(i)(2) All emissions of pollutants subject to a standard must be tested at the outlet from each individual affected source or emission unit while operating under the highest load or capacity reasonably expected to occur, and prior to the point that the emissions are manifolded together with emissions from other affected sources or emission units;

63.1511(i)(3) The combined emissions from all affected sources and emission units which are manifolded to a single emission control device must be tested at the outlet of the emission control device;

63.1511(i)(4) All tests at the outlet of the emission control device must be conducted with all affected sources and emission units whose emissions are manifolded to the control device operating simultaneously under the highest load or capacity reasonably expected to occur; and

63.1511(i)(5) For purposes of demonstrating compliance of a commonly-ducted unit with any emission limit for a particular type of pollutant, the emissions of that pollutant by the individual unit shall be presumed to be controlled by the same percentage as total emissions of that pollutant from all commonly-ducted units are controlled at the outlet of the emission control device.

[65 FR 15710, Mar. 23, 2000, as amended at 67 FR 59792, Sept. 24, 2002; 67 FR 79817, Dec. 30, 2002; 79 FR 11284, Feb. 27, 2014; 80 FR 56745, Sept. 18, 2015; 81 FR 38087, June 13, 2016]

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1512]

Subpart RRR -- National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production

Performance test/compliance demonstration requirements and procedures.

63.1512(a) [NA - NO SCRAP SHREDDER]

63.1512(b) [NA - NO THERMAL CHIP DRYERS]

63.1512(c) [NA - NO SCRAP DRYER/DELACQUERING KILN/DECOATING KILN]

63.1512(d) Group 1 furnace with add-on air pollution control devices.

63.1512(d)(1) The owner or operator of a group 1 furnace that processes scrap other than clean charge materials with emissions controlled by a lime-injected fabric filter must conduct performance tests to measure emissions of PM and D/F at the outlet of the control device and emissions of HCl at the outlet (for the emission limit) or the inlet and the outlet (for the percent reduction standard).

63.1512(d)(2) The owner or operator of a group 1 furnace that processes only clean charge materials with emissions

SECTION E. Source Group Restrictions.

controlled by a lime-injected fabric filter must conduct performance tests to measure emissions of PM at the outlet of the control device and emissions of HCl at the outlet (for the emission limit) or the inlet and the outlet (for the percent reduction standard).

63.1512(d)(3) The owner or operator may choose to determine the rate of reactive flux addition to the group 1 furnace and assume, for the purposes of demonstrating compliance with the SAPU emission limit, that all reactive flux added to the group 1 furnace is emitted. Under these circumstances, the owner or operator is not required to conduct an emission test for HCl.

63.1512(d)(4) The owner or operator of a sidewell group 1 furnace that conducts reactive fluxing (except for cover flux) in the hearth, or that conducts reactive fluxing in the sidewell at times when the level of molten metal falls below the top of the passage between the sidewell and the hearth, must conduct the performance tests required by paragraph (d)(1) or (d)(2) of this section, to measure emissions from both the sidewell and the hearth.

63.1512(e) Group 1 furnace (including melting holding furnaces) without add-on air pollution control devices.

In the site-specific monitoring plan required by § 63.1510(o), the owner or operator of a group 1 furnace (including a melting/holding furnaces) without add-on air pollution control devices must include data and information demonstrating compliance with the applicable emission limits.

63.1512(e)(1) If the group 1 furnace processes other than clean charge material, the owner or operator must conduct emission tests to measure emissions of PM, HCl, HF, and D/F at the furnace exhaust outlet.

63.1512(e)(2) If the group 1 furnace processes only clean charge, the owner or operator must conduct emission tests to simultaneously measure emissions of PM, HCl and HF. A D/F test is not required. Each test must be conducted while the group 1 furnace (including a melting/holding furnace) processes only clean charge.

63.1512(e)(3) The owner or operator may choose to determine the rate of reactive flux addition to the group 1 furnace and assume, for the purposes of demonstrating compliance with the SAPU emission limit, that all chlorine and fluorine contained in reactive flux added to the group 1 furnace is emitted as HCl and HF. Under these circumstances, the owner or operator is not required to conduct an emission test for HCl or HF.

63.1512(e)(4) When testing an existing uncontrolled furnace, the owner or operator must comply with the requirements of either paragraphs (e)(4)(i), (ii) or (iii) of this section at the next required performance test required by § 63.1511(e).

63.1512(e)(4)(i) Install hooding that meets ACGIH Guidelines (incorporated by reference, see § 63.14), or

63.1512(e)(4)(ii) At least 180 days prior to testing petition the permitting authority for major sources, or the Administrator for area sources, that such hoods are impractical under the provisions of paragraph (e)(6) of this section and propose testing procedures that will minimize unmeasured emissions during the performance test according to the paragraph (e)(7) of this section, or

63.1512(e)(4)(iii) Assume an 80-percent capture efficiency for the furnace exhaust (i.e., multiply emissions measured at the furnace exhaust outlet by 1.25). If the source fails to demonstrate compliance using the 80-percent capture efficiency assumption, the owner or operator must re-test with a hood that meets the ACGIH Guidelines within 180 days, or petition the permitting authority for major sources, or the Administrator for area sources, within 180 days that such hoods are impractical under the provisions of paragraph (e)(6) of this section and propose testing procedures that will minimize unmeasured emissions during the performance test according to paragraph (e)(7) of this section.

63.1512(e)(4)(iv) The 80-percent capture efficiency assumption is not applicable in the event of testing conducted under an approved petition submitted pursuant to paragraphs (e)(4)(ii) or (iii) of this section.

63.1512(e)(4)(v) Round top furnaces constructed before February 14, 2012, and reconstructed round top furnaces are exempt from the requirements of paragraphs (e)(4)(i), (ii), and (iii) of this section. Round top furnaces must be operated to minimize unmeasured emissions according to paragraph (e)(7) of this section.

63.1512(e)(5) When testing a new uncontrolled furnace, other than a new round top furnace, constructed after February

SECTION E. Source Group Restrictions.

14, 2012, the owner or operator must comply with the requirements of paragraph (e)(5)(i) or (ii) of this section at the next required performance test required by §63.1511(e). When testing a new round top furnace constructed after February 14, 2012, the owner or operator must comply with the requirements of either paragraphs (e)(5)(i), (ii), or (iii) of this section at the next required performance test required by §63.1511(e).

63.1512(e)(5)(i) Install hooding that meets ACGIH Guidelines (incorporated by reference, see §63.14), or

63.1512(e)(5)(ii) At least 180 days prior to testing petition the permitting authority for major sources, or the Administrator for area sources, that such hoods are impractical under the provisions of paragraph (e)(6) of this section and propose testing procedures that will minimize unmeasured emissions during the performance test according to the paragraph (e)(7) of this section, or

63.1512(e)(5)(iii) Assume an 80-percent capture efficiency for the furnace exhaust (i.e., multiply emissions measured at the furnace exhaust outlet by 1.25). If the source fails to demonstrate compliance using the 80-percent capture efficiency assumption, the owner or operator must re-test with a hood that meets the ACGIH Guidelines within 180 days, or petition the permitting authority for major sources, or the Administrator for area sources, within 180 days that such hoods are impractical under the provisions of paragraph (e)(6) of this section and propose testing procedures that will minimize unmeasured emissions during the performance test according to paragraph (e)(7) of this section.

63.1512(e)(5)(iv) The 80-percent capture efficiency assumption is not applicable in the event of testing conducted under an approved petition submitted pursuant to paragraphs (e)(5)(ii) or (iii) of this section.

63.1512(e)(6) The installation of hooding that meets ACGIH Guidelines (incorporated by reference, see § 63.14) is considered impractical if any of the following conditions exist:

63.1512(e)(6)(i) Building or equipment obstructions (for example, wall, ceiling, roof, structural beams, utilities, overhead crane or other obstructions) are present such that the temporary hood cannot be located consistent with acceptable hood design and installation practices;

63.1512(e)(6)(ii) Space limitations or work area constraints exist such that the temporary hood cannot be supported or located to prevent interference with normal furnace operations or avoid unsafe working conditions for the furnace operator; or

63.1512(e)(6)(iii) Other obstructions and limitations subject to agreement of the permitting authority for major sources, or the Administrator for area sources.

63.1512(e)(7) Testing procedures that will minimize unmeasured emissions may include, but are not limited to the following:

63.1512(e)(7)(i) Installing a hood that does not entirely meet ACGIH guidelines;

63.1512(e)(7)(ii) Using the building as an enclosure, and measuring emissions exhausted from the building if there are no other furnaces or other significant sources in the building of the pollutants to be measured;

63.1512(e)(7)(iii) Installing temporary baffles on those sides or top of furnace opening if it is practical to do so where they will not interfere with material handling or with the furnace door opening and closing;

63.1512(e)(7)(iv) Minimizing the time the furnace doors are open or the top is off;

63.1512(e)(7)(v) Delaying gaseous reactive fluxing until charging doors are closed and, for round top furnaces, until the top is on;

63.1512(e)(7)(vi) Agitating or stirring molten metal as soon as practicable after salt flux addition and closing doors as soon as possible after solid fluxing operations, including mixing and dross removal;

63.1512(e)(7)(vii) Keeping building doors and other openings closed to the greatest extent possible to minimize drafts that would divert emissions from being drawn into the furnace;

SECTION E. Source Group Restrictions.

63.1512(e)(7)(viii) Maintaining burners on low-fire or pilot operation while the doors are open or the top is off;

63.1512(e)(7)(ix) Use of fans or other device to direct flow into a furnace when door is open; or

63.1512(e)(7)(x) Removing the furnace cover one time in order to add a smaller but representative charge and then replacing the cover.

63.1512(f) [NA - NO SWEAT FURNACE]

63.1512(g) [NA - NO DROSS-ONLY FURNACE]

63.1512(h) In-line fluxer.

63.1512(h)(1) The owner or operator of an in-line fluxer that uses reactive flux materials must conduct a performance test to measure emissions of HCl and PM or otherwise demonstrate compliance in accordance with paragraph (h)(2) of this section. If the in-line fluxer is equipped with an add-on control device, the emissions must be measured at the outlet of the control device.

63.1512(h)(2) The owner or operator may choose to limit the rate at which reactive flux is added to an in-line fluxer and assume, for the purposes of demonstrating compliance with the SAPU emission limit, that all chlorine in the reactive flux added to the in-line fluxer is emitted as HCl. Under these circumstances, the owner or operator is not required to conduct an emission test for HCl. If the owner or operator of any in-line flux box that has no ventilation ductwork manifolded to any outlet or emission control device chooses to demonstrate compliance with the emission limits for HCl by limiting use of reactive flux and assuming that all chlorine in the flux is emitted as HCl, compliance with the HCl limit shall also constitute compliance with the emission limit for PM and no separate emission test for PM is required. In this case, the owner or operator of the unvented in-line flux box must use the maximum permissible PM emission rate for the in-line flux boxes when determining the total emissions for any SAPU which includes the flux box.

63.1512(i) Rotary dross cooler.

The owner or operator must conduct a performance test to measure PM emissions at the outlet of the control device.

63.1512(j) Secondary aluminum processing unit.

The owner or operator must conduct performance tests as described in paragraphs (j)(1) through (3) of this section. The results of the performance tests are used to establish emission rates in lb/ton of feed/charge for PM, HCl and HF and µg TEQ/Mg of feed/charge for D/F emissions from each emission unit. These emission rates are used for compliance monitoring in the calculation of the 3-day, 24-hour rolling average emission rates using the equation in § 63.1510(t). A performance test is required for:

63.1512(j)(1) Each group 1 furnace processing only clean charge to measure emissions of PM and either:

63.1512(j)(1)(i) Emissions of HF and HCl (for determining the emission limit); or

63.1512(j)(1)(ii) The mass flow rate of HCl at the inlet to and outlet from the control device (for the percent reduction standard).

63.1512(j)(2) Each group 1 furnace that processes scrap other than clean charge to measure emissions of PM and D/F and either:

63.1512(j)(2)(i) Emissions of HF and HCl (for determining the emission limit); or

63.1512(j)(2)(ii) The mass flow rate of HCl at the inlet to and outlet from the control device (for the percent reduction standard).

63.1512(j)(3) Each in-line fluxer to measure emissions of PM and HCl.

SECTION E. Source Group Restrictions.

63.1512(k) Feed/charge weight measurement.

During the emission test(s) conducted to determine compliance with emission limits in a kg/Mg (lb/ton) format, the owner or operator of an affected source or emission unit, subject to an emission limit in a kg/Mg (lb/ton) of feed/charge format, must measure (or otherwise determine) and record the total weight of feed/charge to the affected source or emission unit for each of the three test runs and calculate and record the total weight. An owner or operator that chooses to demonstrate compliance on the basis of the aluminum production weight must measure the weight of aluminum produced by the emission unit or affected source instead of the feed/charge weight.

63.1512(l) [NA - NO COM SYSTEM]

63.1512(m) [NA - NO AFTERBURNER]

63.1512(n) Inlet gas temperature.

The owner or operator of a scrap dryer/delacquering kiln/decoating kiln or a group 1 furnace using a lime-injected fabric filter must use these procedures to establish an operating parameter value or range for the inlet gas temperature.

63.1512(n)(1) Continuously measure and record the temperature at the inlet to the lime-injected fabric filter every 15 minutes during the HCl and D/F performance tests;

63.1512(n)(2) Determine and record the 15-minute block average temperatures for the 3 test runs; and

63.1512(n)(3) Determine and record the 3-hour block average of the recorded temperature measurements for the 3 test runs.

63.1512(o) Flux injection rate.

The owner or operator must use these procedures to establish an operating parameter value or range for the total reactive chlorine flux injection rate and, for uncontrolled furnaces, the total reactive fluorine flux injection rate.

63.1512(o)(1) Continuously measure and record the weight of gaseous or liquid reactive flux injected for each 15 minute period during the HCl, HF and D/F tests, determine and record the 15-minute block average weights, and calculate and record the total weight of the gaseous or liquid reactive flux for the 3 test runs;

63.1512(o)(2) Record the identity, composition, and total weight of each addition of solid reactive flux for the 3 test runs;

63.1512(o)(3) Determine the total reactive chlorine flux injection rate and, for uncontrolled furnaces, the total reactive fluorine flux injection rate by adding the recorded measurement of the total weight of chlorine and, for uncontrolled furnaces, fluorine in the gaseous or liquid reactive flux injected and the total weight of chlorine and, for uncontrolled furnaces, fluorine in the solid reactive flux using Equation 5:

$$Wt = F1*W1 + F2*W2$$

Where:

Wt = Total chlorine or fluorine usage, by weight;
F1 = Fraction of gaseous or liquid flux that is chlorine or fluorine;
W1 = Weight of reactive flux gas injected;
F2 = Fraction of solid reactive chloride flux that is chlorine (e.g., F = 0.75 for magnesium chloride) or fraction of solid reactive fluoride flux that is fluorine (e.g., F = 0.33 for potassium fluoride); and
W2 = Weight of solid reactive flux;

63.1512(o)(4) Divide the weight of total chlorine or fluorine usage (Wt) for the 3 test runs by the recorded measurement of the total weight of feed for the 3 test runs; and

SECTION E. Source Group Restrictions.

63.1512(o)(5) If a solid reactive flux other than magnesium chloride or potassium fluoride is used, the owner or operator must derive the appropriate proportion factor subject to approval by the permitting authority for major sources, or the Administrator for area sources.

63.1512(p) Lime injection.

The owner or operator of an affected source or emission unit using a lime-injected fabric filter system must use these procedures during the HCl and D/F tests to establish an operating parameter value for the feeder setting for each operating cycle or time period used in the performance test.

63.1512(p)(1) For continuous lime injection systems, ensure that lime in the feed hopper or silo is free-flowing at all times; and

63.1512(p)(2) Record the feeder setting and lime injection rate for the 3 test runs. If the feed rate setting and lime injection rates vary between the runs, determine and record the average feed rate and lime injection rate from the 3 runs.

63.1512(q) Bag leak detection system.

The owner or operator of an affected source or emission unit using a bag leak detection system must submit the information described in § 63.1515(b)(6) as part of the notification of compliance status report to document conformance with the specifications and requirements in § 63.1510(f).

63.1512(r) Labeling.

The owner or operator of each scrap dryer/delacquering kiln/decoating kiln, group 1 furnace, group 2 furnace and in-line fluxer must submit the information described in § 63.1515(b)(3) as part of the notification of compliance status report to document conformance with the operational standard in § 63.1506(b).

63.1512(s) Capture/collection system.

The owner or operator of a new or existing affected source or emission unit with an add-on control device must submit the information described in § 63.1515(b)(2) as part of the notification of compliance status report to document conformance with the operational standard in § 63.1506(c).

[65 FR 15710, Mar. 23, 2000, as amended at 67 FR 79817, Dec. 30, 2002; 69 FR 53984, Sept. 3, 2004; 80 FR 56746, Sept. 18, 2015; 81 FR 38087, June 13, 2016]

 # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1513]

Subpart RRR -- National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production

Equations for determining compliance.

63.1513(a) THC emission limit.

Use Equation 6 to determine compliance with an emission limit for THC:

$$E = (C*MW*W*K1*K2) / (Mv*P*10^6)$$

Where,

E = Emission rate of measured pollutant, kg/Mg (lb/ton) of feed;
C = Measured volume fraction of pollutant, ppmv;
MW = Molecular weight of measured pollutant, g/g-mole (lb/lb-mole): THC (as propane) = 44.11;
Q = Volumetric flow rate of exhaust gases, dscm/hr (dscf/hr);
K1= Conversion factor, 1 kg/1,000 g (1 lb/lb);
K2= Conversion factor, 1,000 L/m3 (1 ft3/ft3);
Mv= Molar volume, 24.45 L/g-mole (385.3 ft3/lb-mole); and
P = Production rate, Mg/hr (ton/hr).

SECTION E. Source Group Restrictions.

63.1513(b) PM, HCl, HF and D/F emission limits.

63.1513(b)(1)

Use Equation 7 of this section to determine compliance with an emission limit for PM, HCl or HF:

E = (C*Q*K1) / P

Where:

E = Emission rate of PM, HCl or HF, in kg/Mg (lb/ton) of feed;
C = Concentration of PM, HCl or HF, in g/dscm (gr/dscf);
Q = Volumetric flow rate of exhaust gases, in dscm/hr (dscf/hr);
K1 = Conversion factor, 1 kg/1,000 g (1 lb/7,000 gr); and
P = Production rate, in Mg/hr (ton/hr).

63.1513(b)(2)

Use Equation 7A of this section to determine compliance with an emission limit for D/F:

E = (C*Q) / P

Where:

E = Emission rate of D/F, µg/Mg (gr/ton) of feed;
C = Concentration of D/F, µg/dscm (gr/dscf);
Q = Volumetric flow rate of exhaust gases, dscm/hr (dscf/hr); and
P = Production rate, Mg/hr (ton/hr).

63.1513(c) HCl percent reduction standard.

Use Equation 8 to determine compliance with an HCl percent reduction standard:

%R = (Li - Lo) / Li * 100

Where,

%R = Percent reduction of the control device;
Li= Inlet loading of pollutant, kg/Mg (lb/ton); and
Lo= Outlet loading of pollutant, kg/Mg (lb/ton).

63.1513(d) Conversion of D/F measurements to TEQ units.

To convert D/F measurements to TEQ units, the owner or operator must use the procedures and equations in Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxins and -Dibenzofurans (CDDs and CDFs) and 1989 Update, incorporated by reference see § 63.14.

63.1513(e) Secondary aluminum processing unit.

Use the procedures in paragraphs (e)(1), (2), and (3) or the procedure in paragraph (e)(4) of this section to determine compliance with emission limits for a secondary aluminum processing unit.

63.1513(e)(1) Use Equation 9 to compute the mass-weighted PM emissions for a secondary aluminum processing unit. Compliance is achieved if the mass-weighted emissions for the secondary aluminum processing unit (EcPM) is less than or equal to the emission limit for the secondary aluminum processing unit (LcPM) calculated using Equation 1 in § 63.1505(k).

SECTION E. Source Group Restrictions.

REFER TO REGULATION FOR EQUATION

Where:

EcPM = The mass-weighted PM emissions for the secondary aluminum processing unit;
EtiPM = Measured PM emissions for individual emission unit, or group of co-controlled emission units, i;
Tti = The average feed rate for individual emission unit i during the operating cycle or performance test period, or the sum of the average feed rates for all emission units in the group of co-controlled emission units i; and
n = The number of emission units, and groups of co-controlled emission units in the secondary aluminum processing unit.

63.1513(e)(2) Use Equation 10 to compute the aluminum mass-weighted HCl or HF emissions for the secondary aluminum processing unit. Compliance is achieved if the mass-weighted emissions for the secondary aluminum processing unit (EcHCl/HF) is less than or equal to the emission limit for the secondary aluminum processing unit (LcHCl/HF) calculated using Equation 2 in § 63.1505(k).

REFER TO REGULATION FOR EQUATION

Where:

EcHCl/HF = The mass-weighted HCl or HF emissions for the secondary aluminum processing unit; and
EtiHCl/HF = Measured HCl or HF emissions for individual emission unit, or group of co-controlled emission units i.

63.1513(e)(3) Use Equation 11 to compute the aluminum mass-weighted D/F emissions for the secondary aluminum processing unit. Compliance is achieved if the mass-weighted emissions for the secondary aluminum processing unit is less than or equal to the emission limit for the secondary aluminum processing unit (LcD/F) calculated using Equation 3 in § 63.1505(k).

REFER TO REGULATION FOR EQUATION

Where:

EcD/F = The mass-weighted D/F emissions for the secondary aluminum processing unit; and
EtiD/F = Measured D/F emissions for individual emission unit, or group of co-controlled emission units i.

63.1513(e)(4) As an alternative to using the equations in paragraphs (e)(1), (2), and (3) of this section, the owner or operator may demonstrate compliance for a secondary aluminum processing unit by demonstrating that each existing group 1 furnace is in compliance with the emission limits for a new group 1 furnace in § 63.1505(i) and that each existing in-line fluxer is in compliance with the emission limits for a new in-line fluxer in § 63.1505(j).

63.1513(f) Periods of startup and shutdown.

For a new or existing affected source, or a new or existing emission unit subject to an emissions limit in paragraphs § 63.1505(b) through (j) expressed in units of pounds per ton of feed/charge, or µg TEQ or ng TEQ per Mg of feed/charge, demonstrate compliance during periods of startup and shutdown in accordance with paragraph (f)(1) of this section or determine your emissions per unit of feed/charge during periods of startup and shutdown in accordance with paragraph (f)(2) of this section. Startup and shutdown emissions for group 1 furnaces and in-line fluxers must be calculated individually, and not on the basis of a SAPU. Periods of startup and shutdown are excluded from the calculation of SAPU emission limits in § 63.1505(k), the SAPU monitoring requirements in § 63.1510(t) and the SAPU emissions calculations in § 63.1513(e).

63.1513(f)(1) For periods of startup and shutdown, records establishing a feed/charge rate of zero, a flux rate of zero, and that the affected source or emission unit was either heated with electricity, propane or natural gas as the sole sources of heat or was not heated, may be used to demonstrate compliance with the emission limit, or

63.1513(f)(2) For periods of startup and shutdown, divide your measured emissions in lb/hr or µg/hr or ng/hr by the feed/charge rate in tons/hr or Mg/hr from your most recent performance test associated with a production rate greater than

SECTION E. Source Group Restrictions.

zero, or the rated capacity of the affected source if no prior performance test data are available.

[65 FR 15710, Mar. 23, 2000, as amended at 69 FR 53984, Sept. 3, 2004; 80 FR 56748, Sept. 18, 2015; 81 FR 38088, June 13, 2016]

 # 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1514]

Subpart RRR -- National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production [Reserved]

The requirements of this section are in addition to the other requirements of this subpart that apply to group 1 and group 2 furnaces.

63.1514(a) Changing from a group 1 controlled furnace processing other than clean charge to group 1 uncontrolled furnace processing other than clean charge.

An owner or operator wishing to change operating modes must conduct performance tests in accordance with § § 63.1511 and 63.1512 to demonstrate to the permitting authority for major sources, or the Administrator for area sources that compliance can be achieved under both modes. Operating parameters relevant to each mode of operation must be established during the performance test.

63.1514(a)(1) Operators of major sources must conduct performance tests for PM, HCl and D/F, according to the procedures in § 63.1512(d) with the capture system and control device operating normally if compliance has not been previously demonstrated in this operating mode. Performance tests must be repeated at least once every 5 years to demonstrate compliance for each operating mode.

63.1514(a)(1)(i) Testing under this paragraph must be conducted in accordance with § 63.1511(b)(1) in the controlled mode.

63.1514(a)(1)(ii) Operating parameters must be established during these tests, as required by § 63.1511(g).

63.1514(a)(1)(iii) The emission factors for this mode of operation for use in the demonstration of compliance with the emission limits for SAPUs specified in § 63.1505(k) must be determined.

63.1514(a)(2) Operators of major sources must conduct performance tests for PM, HCl, HF and D/F, according to the procedures in § 63.1512(e) without operating a control device if compliance has not been previously demonstrated for this operating mode. Performance tests must be repeated at least once every 5 years to demonstrate compliance for each operating mode.

63.1514(a)(2)(i) Testing under this paragraph must be conducted in accordance with § 63.1511(b)(1) in the uncontrolled mode.

63.1514(a)(2)(ii) Testing under this paragraph must be conducted with furnace emissions captured in accordance with the provisions of § 63.1506(c) and directed to the stack or vent tested.

63.1514(a)(2)(iii) Operating parameters representing uncontrolled operation must be established during these tests, as required by § 63.1511(g). For furnaces in batch (cyclic) operation, the number of tap-to-tap cycles (including zero, if none) elapsed using the feed/charge type, feed/charge rate and flux rate must be established as a parameter to be met before changing to uncontrolled mode. For furnaces in continuous (non-cyclic) operation, the time period elapsed (including no time, if none) using the feed/charge type, feed/charge rate and flux rate must be established as a parameter to be met before changing to uncontrolled mode.

63.1514(a)(2)(iv) The emission factors for this mode of operation for use in the demonstration of compliance with the emission limits for SAPUs specified in § 63.1505(k) must be determined.

63.1514(a)(3) Operators of area sources must conduct performance tests for D/F, according to the procedures in § 63.1512(d) with the capture system and control device operating normally, if compliance has not been previously demonstrated for this operating mode.

SECTION E. Source Group Restrictions.

63.1514(a)(3)(i) Testing under this paragraph must be conducted in accordance with § 63.1511(b)(1) in the controlled mode.

63.1514(a)(3)(ii) Operating parameters must be established during these tests, as required by § 63.1511(g).

63.1514(a)(3)(iii) The D/F emission factor for this mode of operation for use in the demonstration of compliance with the emission limits for SAPUs specified in § 63.1505(k) must be determined.

63.1514(a)(4) [NA - FACILITY IS A MAJOR SOURCE]

63.1514(a)(5) To change modes of operation from uncontrolled to controlled, the owner or operator must perform the following, before charging scrap to the furnace that exceeds the contaminant level established for uncontrolled mode:

63.1514(a)(5)(i) Change the label on the furnace to reflect controlled operation;

63.1514(a)(5)(ii) Direct the furnace emissions to the control device;

63.1514(a)(5)(iii) Turn on the control device and begin lime addition to the control device at the rate established for controlled mode; and

63.1514(a)(5)(iv) Ensure the control device is operating properly.

63.1514(a)(6) To change modes of operation from controlled to uncontrolled, the owner or operator must perform the following, before turning off or bypassing the control device:

63.1514(a)(6)(i) Change the label on the furnace to reflect uncontrolled operation;

63.1514(a)(6)(ii) Charge scrap with a level of contamination no greater than that used in the performance test for uncontrolled furnaces for the number of tap-to-tap cycles that elapsed (or, for continuously operated furnaces, the time elapsed) before the uncontrolled mode performance test was conducted; and

63.1514(a)(6)(iii) Decrease the flux addition rate to no higher than the flux addition rate used in the uncontrolled mode performance test.

63.1514(a)(7) In addition to the recordkeeping requirements of § 63.1517, the owner or operator must maintain records of the nature of each mode change (controlled to uncontrolled, or uncontrolled to controlled), the time the change is initiated, and the time the exhaust gas is diverted from control device to bypass or bypass to control device.

63.1514(b) Changing from a group 1 controlled furnace processing other than clean charge to a group 1 uncontrolled furnace processing clean charge.

An owner or operator wishing to change operating modes must conduct performance tests in accordance with § § 63.1511 and 63.1512 to demonstrate to the permitting authority for major sources, or the Administrator for area sources that compliance can be achieved in both modes. Operating parameters relevant to each mode of operation must be established during the performance test.

63.1514(b)(1) Operators of major sources must conduct performance tests for PM, HCl and D/F, according to the procedures in § 63.1512(d) with the capture system and control device operating normally if compliance has not been previously demonstrated in this operating mode. Performance tests must be repeated at least once every 5 years to demonstrate compliance for each operating mode.

63.1514(b)(1)(i) Testing under this paragraph must be conducted in accordance with § 63.1511(b)(1) in the controlled mode.

63.1514(b)(1)(ii) Operating parameters must be established during these tests, as required by § 63.1511(g).

63.1514(b)(1)(iii) The emission factors for this mode of operation for use in the demonstration of compliance with the

SECTION E. Source Group Restrictions.

emission limits for SAPUs specified in § 63.1505(k) must be determined.

63.1514(b)(2) Operators of major sources must conduct performance tests for PM, HCl, HF and D/F, according to the procedures in § 63.1512(e) without operating a control device if compliance has not been previously demonstrated for this operating mode. Performance tests must be repeated at least once every 5 years to demonstrate compliance for each operating mode.

63.1514(b)(2)(i) Testing under this paragraph may be conducted at any time after operation with clean charge has commenced.

63.1514(b)(2)(ii) Testing under this paragraph must be conducted with furnace emissions captured in accordance with the provisions of § 63.1506(c) and directed to the stack or vent tested.

63.1514(b)(2)(iii) Operating parameters representing uncontrolled operation must be established during these tests, as required by § 63.1511(g). For furnaces in batch (cyclic) operation, the number of tap-to-tap cycles (including zero, if none) elapsed using the feed/charge type, feed/charge rate and flux rate must be established as a parameter to be met before changing to uncontrolled mode. For furnaces in continuous (non-cyclic) operation, the time period elapsed (including no time if none) using the feed/charge type, feed/charge rate and flux rate must be established as a parameter to be met before changing to uncontrolled mode.

63.1514(b)(2)(iv) Emissions of D/F during this test must not exceed 1.5 µg TEQ/Mg of feed/charge.

63.1514(b)(2)(v) The emission factors for this mode of operation for use in the demonstration of compliance with the emission limits for SAPUs specified in § 63.1505(k), must be determined.

63.1514(b)(3) [NA - FACILITY IS A MAJOR SOURCE]

63.1514(b)(4) [NA - FACILITY IS A MAJOR SOURCE]

63.1514(b)(5) To change modes of operation from uncontrolled to controlled, the owner or operator must perform the following, before charging scrap to the furnace that exceeds the contaminant level established for uncontrolled mode:

63.1514(b)(5)(i) Change the label on the furnace to reflect controlled operation;

63.1514(b)(5)(ii) Direct the furnace emissions to the control device;

63.1514(b)(5)(iii) Turn on the control device and begin lime addition to the control device at the rate established for controlled mode; and

63.1514(b)(5)(iv) Ensure the control device is operating properly.

63.1514(b)(6) To change modes of operation from controlled to uncontrolled, the owner or operator must perform the following, before turning off or bypassing the control device:

63.1514(b)(6)(i) Change the label on the furnace to reflect uncontrolled operation;

63.1514(b)(6)(ii) Charge clean charge for the number of tap-to-tap cycles that elapsed (or, for continuously operated furnaces, the time elapsed) before the uncontrolled mode performance test was conducted; and

63.1514(b)(6)(iii) Decrease the flux addition rate to no higher than the flux addition rate used in the uncontrolled mode performance test.

63.1514(b)(7) In addition to the recordkeeping requirements of § 63.1517, the owner or operator must maintain records of the nature of each mode change (controlled to uncontrolled, or uncontrolled to controlled), the time the furnace operating mode change is initiated, and the time the exhaust gas is diverted from control device to bypass or from bypass to control device.

SECTION E. Source Group Restrictions.

63.1514(c) Changing from a group 1 controlled or uncontrolled furnace to a group 2 furnace.

An owner or operator wishing to change operating modes must conduct performance tests in accordance with § § 63.1511 and 63.1512 to demonstrate to the permitting authority for major sources, or the Administrator for area sources that compliance can be achieved under both modes and establish the number of cycles (or time) of operation with clean charge and no reactive flux addition necessary before changing to group 2 mode. Operating parameters relevant to group 1 operation must be established during the performance test.

63.1514(c)(1) Operators of major sources must conduct performance tests for PM, HCl and D/F (and HF for uncontrolled group 1 furnaces) according to the procedures in § 63.1512 if compliance has not been previously demonstrated for the operating mode. Controlled group 1 furnaces must conduct performance tests according to the procedures in § 63.1512(d) with the capture system and control device operating normally. Uncontrolled group 1 furnaces must conduct performance tests according to the procedures in § 63.1512(e) without operating a control device. Performance tests must be repeated at least once every 5 years to demonstrate compliance for each operating mode.

63.1514(c)(1)(i) Testing under this paragraph must be conducted in accordance with § 63.1511(b)(1) in both modes.

63.1514(c)(1)(ii) Operating parameters must be established during these tests, as required by § 63.1511(g).

63.1514(c)(1)(iii) The emission factors for this mode of operation for use in the demonstration of compliance with the emission limits for SAPUs specified in § 63.1505(k) must be determined.

63.1514(c)(2) While in compliance with the operating requirements of § 63.1506(o) for group 2 furnaces, operators of major sources must conduct performance tests for PM, HCl, HF and D/F, according to the procedures in § 63.1512(e) without operating a control device if compliance has not been previously demonstrated for this operating mode. Performance tests must be repeated at least once every 5 years to demonstrate compliance for each operating mode.

63.1514(c)(2)(i) Testing under this paragraph may be conducted at any time after the furnace has commenced operation with clean charge and without reactive flux addition.

63.1514(c)(2)(ii) Testing under this paragraph must be conducted with furnace emissions captured in accordance with the provisions of § 63.1506(c) and directed to the stack or vent tested.

63.1514(c)(2)(iii) Owners or operators must demonstrate that emissions are no greater than:

63.1514(c)(2)(iii)(A) 1.5 µg D/F (TEQ) per Mg of feed/charge;

63.1514(c)(2)(iii)(B) 0.040 lb HCl or HF per ton of feed/charge; and

63.1514(c)(2)(iii)(C) 0.040 lb PM per ton of feed/charge.

63.1514(c)(2)(iv) The number of tap-to-tap cycles, or time elapsed between starting operation with clean charge and no reactive flux addition and the group 2 furnace performance test must be established as an operating parameter to be met before changing to group 2 mode.

63.1514(c)(3) [NA - FACILITY IS A MAJOR SOURCE]

63.1514(c)(4) [NA - FACILITY IS A MAJOR SOURCE & NO GROUP 2 FURNACES]

63.1514(c)(5) To change modes of operation from a group 2 furnace to a group 1 furnace, the owner or operator must perform the following before adding other than clean charge and before adding reactive flux to the furnace:

63.1514(c)(5)(i) Change the label on the furnace to reflect group 1 operation;

63.1514(c)(5)(ii) Direct the furnace emissions to the control device, if it is equipped with a control device;

63.1514(c)(5)(iii) If the furnace is equipped with a control device, turn on the control device and begin lime addition to

SECTION E. Source Group Restrictions.

the control device at the rate established for group 1 mode; and

63.1514(c)(5)(iv) Ensure the control device is operating properly.

63.1514(c)(6) To change mode of operation from a group 1 furnace to group 2 furnace, the owner or operator must perform the following, before turning off or bypassing the control device:

63.1514(c)(6)(i) Change the label on the furnace to reflect group 2 operation;

63.1514(c)(6)(ii) Charge clean charge for the number of tap-to-tap cycles that elapsed (or, for continuously operated furnaces, the time elapsed) before the group 2 performance test was conducted; and,

63.1514(c)(6)(iii) Use no reactive flux.

63.1514(c)(7) In addition to the recordkeeping requirements of § 63.1517, the owner or operator must maintain records of the nature of each mode change (controlled or uncontrolled to group 2), the time the change is initiated, and the time the exhaust gas is diverted from control device to bypass or from bypass to control device.

63.1514(d) Changing from a group 1 controlled or uncontrolled furnace to group 2 furnace, for tilting reverberatory furnaces capable of completely removing furnace contents between batches.

An owner or operator of a tilting reverberatory furnace capable of completely removing furnace contents between batches who wishes to change operating modes must conduct performance tests in accordance with § § 63.1511 and 63.1512 to demonstrate to the permitting authority for major sources, or the Administrator for area sources that compliance can be achieved under group 1 modes. Operating parameters relevant to group 1 operation must be established during the performance test.

63.1514(d)(1) Operators of major sources must conduct performance tests for PM, HCl, and D/F (and HF for uncontrolled furnaces) according to the procedures in § 63.1512 if compliance has not been previously demonstrated for this operating mode. Controlled group 1 furnaces must conduct performance tests with the capture system and control device operating normally if compliance has not been previously demonstrated for the operating mode. Controlled group 1 furnaces must conduct performance tests according to the procedures in § 63.1512(d) with the capture system and control device operating normally. Uncontrolled group 1 furnaces must conduct performance tests according to the procedures in § 63.1512(e) without operating a control device. Performance tests must be repeated at least once every 5 years to demonstrate compliance for each operating mode.

63.1514(d)(1)(i) Testing under this paragraph must be conducted in accordance with § 63.1511(b)(1) in both modes.

63.1514(d)(1)(ii) Operating parameters must be established during these tests, as required by § 63.1511(g).

63.1514(d)(1)(iii) The emission factors for this mode of operation for use in the demonstration of compliance with the emission limits for SAPUs specified in § 63.1505(k), must be determined.

63.1514(d)(2) Operators of area sources must conduct performance tests for D/F according to the procedures in § 63.1512 if compliance has not been previously demonstrated for this operating mode. Controlled group 1 furnaces must conduct performance tests according to the procedures in § 63.1512(d) with the capture system and control device operating normally. Uncontrolled group 1 furnaces must conduct performance tests according to the procedures in § 63.1512(e) without operating a control device.

63.1514(d)(2)(i) The performance test must be conducted in accordance with § 63.1511(b)(1) under representative conditions expected to produce the highest expected level of D/F in the group 1 mode.

63.1514(d)(2)(ii) Operating parameters must be established during these tests, as required by § 63.1511(g).

63.1514(d)(2)(iii) The D/F emission factor for this mode of operation for use in the demonstration of compliance with the emission limits for SAPUs specified in § 63.1505(k) must be determined.

SECTION E. Source Group Restrictions.

63.1514(d)(3) To change modes of operation from a group 1 furnace to a group 2 furnace, the owner or operator must perform the following before turning off or bypassing the control device:

63.1514(d)(3)(i) Completely remove all aluminum from the furnace;

63.1514(d)(3)(ii) Change the label on the furnace to reflect group 2 operation;

63.1514(d)(3)(iii) Use only clean charge; and

63.1514(d)(3)(iv) Use no reactive flux.

63.1514(d)(4) To change modes of operation from a group 2 furnace to a group 1 furnace, the owner or operator must perform the following before adding other than clean charge and before adding reactive flux to the furnace:

63.1514(d)(4)(i) Change the label on the furnace to reflect group 1 operation;

63.1514(d)(4)(ii) Direct the furnace emissions to the control device, if it is equipped with a control device;,

63.1514(d)(4)(iii) If the furnace is equipped with a control device, turn on the control device and begin lime addition to the control device at the rate established for group 1 mode; and

63.1514(d)(4)(iv) Ensure the control device is operating properly.

63.1514(d)(5) In addition to the recordkeeping requirements of § 63.1517, the owner or operator must maintain records of the nature of each mode change (group 1 to group 2, or group 2 to group 1), the time the furnace operating mode change is initiated, and, if the furnace is equipped with a control device, the time the exhaust gas is diverted from control device to bypass or from bypass to control device.

63.1514(e) Limit on frequency of changing furnace operating mode.

63.1514(e)(1) A change in furnace operating mode, which consists of changing from one furnace operating mode to another and subsequently back to the initial operating mode, as provided in paragraphs (a) through (d) of this section, may not be done more frequently than 4 times in any 6-month period unless you receive approval from the permitting authority or Administrator for additional changes pursuant to paragraph (e)(2).

63.1514(e)(2) If additional changes are needed, the owner or operator must apply in advance to the permitting authority, for major sources, or the Administrator, for area sources, for approval of the additional changes in operating mode.

[80 FR 56749, Sept. 18, 2015, as amended at 81 FR 38088, June 13, 2016]

 # 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1515]

Subpart RRR -- National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production Notifications.

[NA - INITIAL NOTIFICATION & NOTIFICATION OF COMPLIANCE STATUS REPORT ALREADY SUBMITTED]

 # 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1516]

Subpart RRR -- National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production Reports.

63.1516(a) [Reserved]

63.1516(b) Excess emissions/summary report.

The owner or operator of a major or area source must submit semiannual reports according to the requirements in § 63.10(e)(3). Except, the owner or operator must submit the semiannual reports within 60 days after the end of each 6-month period instead of within 30 days after the calendar half as specified in § 63.10(e)(3)(v). When no deviations of parameters have occurred, the owner or operator must submit a report stating that no excess emissions occurred during the reporting period.

SECTION E. Source Group Restrictions.

63.1516(b)(1) A report must be submitted if any of these conditions occur during a 6-month reporting period:

63.1516(b)(1)(i) The corrective action specified in the OM& M plan for a bag leak detection system alarm was not initiated within 1 hour.

63.1516(b)(1)(ii) [NA - NO COM SYSTEM]

63.1516(b)(1)(iii) [NA - NO SCRAP SHREDDER]

63.1516(b)(1)(iv) An excursion of a compliant process or operating parameter value or range (e.g., lime injection rate or screw feeder setting, total reactive chlorine flux injection rate, afterburner operating temperature, fabric filter inlet temperature, definition of acceptable scrap, or other approved operating parameter).

63.1516(b)(1)(v) [Reserved]

63.1516(b)(1)(vi) An affected source (including an emission unit in a secondary aluminum processing unit) was not operated according to the requirements of this subpart.

63.1516(b)(1)(vii) A deviation from the 3-day, 24-hour rolling average emission limit for a secondary aluminum processing unit.

63.1516(b)(2) Each report must include each of these certifications, as applicable:

63.1516(b)(2)(i) [NA - NO THERMAL CHIP DRYERS]

63.1516(b)(2)(ii) [NA - NO DROSS-ONLY FURNACE]

63.1516(b)(2)(iii) [NA - NO REACTIVE FLUXING IN SIDEWELL GROUP 1 FURNACE]

63.1516(b)(2)(iv) For each group 1 melting/holding furnace without add-on air pollution control devices and using pollution prevention measures that processes only clean charge material: “Each group 1 furnace without add-on air pollution control devices subject to emission limits in § 63.1505(i)(2) processed only clean charge during this reporting period.”

63.1516(b)(2)(v) [NA - NO GROUP 2 FURNACE]

63.1516(b)(2)(vi) [NA - REACTIVE FLUX USED]

63.1516(b)(2)(vii) For each affected source choosing to demonstrate compliance during periods of startup and shutdown in accordance with § 63.1513(f)(1): “During each startup and shutdown, no flux and no feed/charge were added to the emission unit, and electricity, propane or natural gas were used as the sole source of heat or the emission unit was not heated.”

63.1516(b)(3) The owner or operator must submit the results of any performance test conducted during the reporting period, including one complete report documenting test methods and procedures, process operation, and monitoring parameter ranges or values for each test method used for a particular type of emission point tested.

63.1516(b)(3)(i) Within 60 days after the date of completing each performance test (as defined in § 63.2) required by this subpart, you must submit the results of the performance tests, including any associated fuel analyses, following the procedure specified in either paragraph (b)(3)(i)(A) or (B) of this section.

63.1516(b)(3)(i)(A) For data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT Web site (https://www3.epa.gov/ttn/chief/ert/ert__info.html), you must submit the results of the performance test to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI). (CEDRI can be accessed through the EPA's Central Data Exchange (CDX) (https://cdx.epa.gov/).) Performance test data must be submitted in a file format generated through the use of the EPA's ERT or an alternate electronic file format consistent with the extensible markup language (XML) schema listed on the EPA's ERT Web site. If you claim that some of the performance

SECTION E. Source Group Restrictions.

test information being submitted is confidential business information (CBI), you must submit a complete file generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT Web site, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage media to the EPA. The electronic media must be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT or alternate file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described earlier in this paragraph.

63.1516(b)(3)(i)(B) For data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT Web site, you must submit the results of the performance test to the Administrator at the appropriate address listed in § 63.13.

63.1516(b)(3)(ii) [Reserved]

63.1516(b)(4) A malfunction report that is required under paragraph (d) of this section shall be submitted simultaneously with the semiannual excess emissions/summary report required by paragraph (b) of this section.

63.1516(c) Annual compliance certifications.

For the purpose of annual certifications of compliance required by 40 CFR part 70 or 71, the owner or operator of a major source subject to this subpart must certify continuing compliance based upon, but not limited to, the following conditions:

63.1516(c)(1) Any period of excess emissions, as defined in paragraph (b)(1) of this section, that occurred during the year were reported as required by this subpart; and

63.1516(c)(2) All monitoring, recordkeeping, and reporting requirements were met during the year.

63.1516(d) If there was a malfunction during the reporting period, the owner or operator must submit a report that includes the emission unit ID, monitor ID, pollutant or parameter monitored, beginning date and time of the event, end date and time of the event, cause of the deviation or exceedance and corrective action taken for each malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must include a list of the affected source or equipment, an estimate of the quantity of each regulated pollutant emitted over any emission limit, and a description of the method used to estimate the emissions, including, but not limited to, product-loss calculations, mass balance calculations, measurements when available, or engineering judgment based on known process parameters. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with §63.1506(a)(5).

63.1516(e) All reports required by this subpart not subject to the requirements in paragraph (b) of this section must be sent to the Administrator at the appropriate address listed in § 63.13. If acceptable to both the Administrator and the owner or operator of a source, these reports may be submitted on electronic media. The Administrator retains the right to require submittal of reports subject to paragraph (b) of this section in paper format.

[65 FR 15710, Mar. 23, 2000, as amended at 69 FR 53984, Sept. 3, 2004; 71 FR 20461, Apr. 20, 2006; 80 FR 56753, Sept. 18, 2015; 81 FR 38088, June 13, 2016]

 # 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1517]

Subpart RRR -- National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production

Records

63.1517(a) As required by § 63.10(b), the owner or operator shall maintain files of all information (including all reports and notifications) required by the general provisions and this subpart.

63.1517(a)(1) The owner or operator must retain each record for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The most recent 2 years of records must be retained at the facility. The remaining 3 years of records may be retained off site.

63.1517(a)(2) The owner or operator may retain records on microfilm, computer disks, magnetic tape, or microfiche; and

SECTION E. Source Group Restrictions.

63.1517(a)(3) The owner or operator may report required information on paper or on a labeled computer disk using commonly available and EPA-compatible computer software.

63.1517(b) In addition to the general records required by § 63.10(b), the owner or operator of a new or existing affected source (including an emission unit in a secondary aluminum processing unit) must maintain records of:

63.1517(b)(1) For each affected source and emission unit with emissions controlled by a fabric filter or a lime-injected fabric filter:

63.1517(b)(1)(i) If a bag leak detection system is used, the number of total operating hours for the affected source or emission unit during each 6-month reporting period, records of each alarm, the time of the alarm, the time corrective action was initiated and completed, and a brief description of the cause of the alarm and the corrective action(s) taken.

63.1517(b)(1)(ii) [NA - NO COM SYSTEM]

63.1517(b)(1)(iii) [NA - NO SCRAP SHREDDER]

63.1517(b)(2) [NA - NO AFTERBURNER]

63.1517(b)(3) For each scrap dryer/delacquering kiln/decoating kiln and group 1 furnace, subject to D/F and HCl emission standards with emissions controlled by a lime-injected fabric filter, records of 15-minute block average inlet temperatures for each lime-injected fabric filter, including any period when the 3-hour block average temperature exceeds the compliant operating parameter value +14 ° C (+25 ° F), with a brief explanation of the cause of the excursion and the corrective action taken.

63.1517(b)(4) For each affected source and emission unit with emissions controlled by a lime-injected fabric filter:

63.1517(b)(4)(i) Records of inspections at least once every 8-hour period verifying that lime is present in the feeder hopper or silo and flowing, including any inspection where blockage is found, with a brief explanation of the cause of the blockage and the corrective action taken, and records of inspections at least once every 4-hour period for the subsequent 3 days. If flow monitors, pressure drop sensors or load cells are used to verify that lime is present in the hopper and flowing, records of all monitor or sensor output including any event where blockage was found, with a brief explanation of the cause of the blockage and the corrective action taken;

63.1517(b)(4)(ii) If lime feeder setting is monitored, records of daily and monthly inspections of feeder setting, including records of any deviation of the feeder setting from the setting used in the performance test, with a brief explanation of the cause of the deviation and the corrective action taken. If a lime feeder has been repaired or replaced, this action must be documented along with records of the new feeder calibration and the feed mechanism set points necessary to maintain the lb/hr feed rate operating limit. These records must be maintained on site and available upon request.

63.1517(b)(4)(iii) If lime addition rate for a noncontinuous lime injection system is monitored pursuant to the approved alternative monitoring requirements in § 63.1510(v), records of the time and mass of each lime addition during each operating cycle or time period used in the performance test and calculations of the average lime addition rate (lb/ton of feed/charge).

63.1517(b)(5) For each group 1 furnace (with or without add-on air pollution control devices) or in-line fluxer, records of 15-minute block average weights of gaseous or liquid reactive flux injection, total reactive flux injection rate and calculations (including records of the identity, composition, and weight of each addition of gaseous, liquid or solid reactive flux), including records of any period the rate exceeds the compliant operating parameter value and corrective action taken.

63.1517(b)(6) For each continuous monitoring system, records required by § 63.10(c).

63.1517(b)(7) For each affected source and emission unit subject to an emission standard in kg/Mg (lb/ton) of feed/charge, records of feed/charge (or throughput) weights for each operating cycle or time period used in the performance test.

63.1517(b)(8) [NA - GROUP 1 FURNACE USES ADD-ON AIR POLLUTION CONTROL DEVICE]

SECTION E. Source Group Restrictions.

63.1517(b)(9) Records of all charge materials for each thermal chip dryer, dross-only furnace, and group 1 melting/holding furnaces without air pollution control devices processing only clean charge.

63.1517(b)(10) [NA - NO GROUP 1 SIDEWELL FURNACE]

63.1517(b)(11) [NA - REACTIVE FLUX USED]

63.1517(b)(12) [NA - NO GROUP 2 FURNACES]

63.1517(b)(13) Records of monthly inspections for proper unit labeling for each affected source and emission unit subject to labeling requirements.

63.1517(b)(14) Records of annual inspections of emission capture/collection and closed vent systems or, if the alternative to the annual flow rate measurements is used, records of differential pressure; fan RPM or fan motor amperage; static pressure measurements; or duct centerline velocity using a hotwire anemometer, ultrasonic flow meter, cross-duct pressure differential sensor, venturi pressure differential monitoring or orifice plate equipped with an associated thermocouple, as appropriate.

63.1517(b)(15) Records for any approved alternative monitoring or test procedure.

63.1517(b)(16) Current copy of all required plans, including any revisions, with records documenting conformance with the applicable plan, including:

63.1517(b)(16)(i) [Reserved]

63.1517(b)(16)(ii) OM& M plan; and

63.1517(b)(16)(iii) Site-specific secondary aluminum processing unit emission plan (if applicable).

63.1517(b)(17) For each secondary aluminum processing unit, records of total charge weight, or if the owner or operator chooses to comply on the basis of aluminum production, total aluminum produced for each 24-hour period and calculations of 3-day, 24-hour rolling average emissions.

63.1517(b)(18) For any failure to meet an applicable standard, the owner or operator must maintain the following records;

63.1517(b)(18)(i) Records of the emission unit ID, monitor ID, pollutant or parameter monitored, beginning date and time of the event, end date and time of the event, cause of the deviation or exceedance and corrective action taken.

63.1517(b)(18)(ii) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.1506(a)(5), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

63.1517(b)(19) For each period of startup or shutdown for which the owner or operator chooses to demonstrate compliance for an affected source, the owner or operator must comply with (b)(19)(i) or (ii) of this section.

63.1517(b)(19)(i) To demonstrate compliance based on a feed/charge rate of zero, a flux rate of zero and the use of electricity, propane or natural gas as the sole sources of heating or the lack of heating, the owner or operator must submit a semiannual report in accordance with § 63.1516(b)(2)(vii) or maintain the following records:

63.1517(b)(19)(i)(A) The date and time of each startup and shutdown;

63.1517(b)(19)(i)(B) The quantities of feed/charge and flux introduced during each startup and shutdown; and

63.1517(b)(19)(i)(C) The types of fuel used to heat the unit, or that no fuel was used, during startup and shutdown; or

SECTION E. Source Group Restrictions.

63.1517(b)(19)(ii) To demonstrate compliance based on performance tests, the owner or operator must maintain the following records:

63.1517(b)(19)(ii)(A) The date and time of each startup and shutdown;

63.1517(b)(19)(ii)(B) The measured emissions in lb/hr or µg/hr or ng/hr;

63.1517(b)(19)(ii)(C) The measured feed/charge rate in tons/hr or Mg/hr from your most recent performance test associated with a production rate greater than zero, or the rated capacity of the affected source if no prior performance test data is available; and

63.1517(b)(19)(ii)(D) An explanation to support that such conditions are considered representative startup and shutdown operations.

63.1517(b)(20) For owners or operators that choose to change furnace operating modes, the following records must be maintained:

63.1517(b)(20)(i) The date and time of each change in furnace operating mode, and

63.1517(b)(20)(ii) The nature of the change in operating mode (for example, group 1 controlled furnace processing other than clean charge to group 2).

[65 FR 15710, Mar. 23, 2000, as amended at 67 FR 79818, Dec. 30, 2002; 80 FR 56753, Sept. 18, 2015; 81 FR 38089, June 13, 2016]

 # 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1518]

Subpart RRR -- National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production

Applicability of general provisions.

The requirements of the general provisions in subpart A of this part that are applicable to the owner or operator subject to the requirements of this subpart are shown in appendix A to this subpart.

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

SECTION E. Source Group Restrictions.

Group Name: GROUP 007

Group Description: Plate Furnaces

Sources included in this group

ID	Name
P101	PLATE FURNACE NO. 1
P102	PLATE FURNACE NO. 2
P201	HOLDING FURNACE/SNIF 1
P202	HOLDING FURNACE/SNIF 2

I. RESTRICTIONS.

Throughput Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Combined natural gas consumption for the Group 007 furnaces shall not exceed 117,900 MCF per consecutive 12-month period.

[The above voluntary restriction has been included at the permittee's request]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor natural gas consumption for each of the Group 007 furnaces.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall calculate and maintain records of monthly natural gas consumption for each of the Group 007 furnaces and total natural gas consumption by the group for each consecutive 12-month period.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION E. Source Group Restrictions.

Group Name: GROUP 008

Group Description: NOs. 15 & 16 Slab Furnaces

Sources included in this group

ID	Name
149G	NO. 15 SLAB FURNACE
149H	NO. 16 SLAB FURNACE

I. RESTRICTIONS.

Throughput Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Combined natural gas consumption for the Group 008 (Nos. 15 and 16) slab furnaces shall not exceed 124,700 MCF per consecutive 12-month period.

[The above voluntary restriction has been included at the permittee's request]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor natural gas consumption for each of the Group 008 furnaces.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall calculate and maintain records of monthly natural gas consumption for each of the Group 008 furnaces and total natural gas consumption by the group for each consecutive 12-month period.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION E. Source Group Restrictions.

Group Name: GROUP 009

Group Description: Stress Relief Ovens

Sources included in this group

ID	Name
P701	STRESS RELIEF OVENS NO.1 THRU 5

I. RESTRICTIONS.

Throughput Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Combined natural gas consumption for the Group 009 stress relief ovens shall not exceed 115,600 MCF per consecutive 12-month period.

[The above voluntary restriction has been included at the permittee's request]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor natural gas consumption for each of the Group 009 ovens.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall calculate and maintain records of monthly natural gas consumption for each of the Group 009 ovens and total natural natural gas consumption by the group for each consecutive 12-month period.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION E. Source Group Restrictions.

Group Name: GROUP 010

Group Description: 40 CFR 60, Subpart TT Sources

Sources included in this group

ID	Name
HP201	60" COIL COATING/ANNEALING LINE

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Individual sources within this source group that are subject to 40 CFR Part 60 Subpart TT - Standards of Performance for Metal Coil Surface Coating shall comply with all applicable requirements of the Subpart. 40 CFR 60.4(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

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

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

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

SECTION E. Source Group Restrictions.

 # 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.462]

Subpart TT - Standards of Performance for Metal Coil Surface Coating

Standards for volatile organic compounds.

60.462(a) On and after the date on which § 60.8 requires a performance test to be completed, each owner or operator subject to this subpart shall not cause to be discharged into the atmosphere more than:

60.462(a)(1) [NA - COMPLIES WITH 60.462(a)(3)]

60.462(a)(2) [NA - COMPLIES WITH 60.462(a)(3)]

60.462(a)(3) 10 percent of the VOC's applied for each calendar month (90 percent emission reduction) for each affected facility that continuously uses an emission control device(s) operated at the most recently demonstrated overall efficiency; or

60.462(a)(4) [NA - COMPLIES WITH 60.462(a)(3)]

 # 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.463]

Subpart TT - Standards of Performance for Metal Coil Surface Coating

Performance test and compliance provisions.

[COMPLIANCE WITH 40 CFR 63, SUBPART SSSS REQUIREMENTS ENSURES COMPLIANCE WITH 40 CFR 60.463 REQUIREMENTS, SEE US EPA APPLICABILITY DETERMINATION INDEX CONTROL NO.0400019]

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.464]

Subpart TT - Standards of Performance for Metal Coil Surface Coating

Monitoring of emissions and operations.

60.464(a) [NA - DOES NOT COMPLY WITH NUMERICAL LIMIT IN § 60.462(a) (1) OR (2)]

60.464(b) [NA - DOES NOT COMPLY WITH LIMIT IN § 60.462(a)(4)]

60.464(c) If thermal incineration is used, each owner or operator subject to the provisions of this subpart shall install, calibrate, operate, and maintain a device that continuously records the combustion temperature of any effluent gases incinerated to achieve compliance with § 60.462(a)(2), (3), or (4). This device shall have an accuracy of ± 2.5 ° C. or ± 0.75 percent of the temperature being measured expressed in degrees Celsius, whichever is greater. Each owner or operator shall also record all periods (during actual coating operations) in excess of 3 hours during which the average temperature in any thermal incinerator used to control emissions from an affected facility remains more than 28 ° C (50 ° F) below the temperature at which compliance with § 60.462(a)(2), (3), or (4) was demonstrated during the most recent measurement of incinerator efficiency required by § 60.8. The records required by § 60.7 shall identify each such occurrence and its duration. If catalytic incineration is used, the owner or operator shall install, calibrate, operate, and maintain a device to monitor and record continuously the gas temperature both upstream and downstream of the incinerator catalyst bed. This device shall have an accuracy of ± 2.5 ° C. or ± 0.75 percent of the temperature being measured expressed in degrees Celsius, whichever is greater. During coating operations, the owner or operator shall record all periods in excess of 3 hours where the average difference between the temperature upstream and downstream of the incinerator catalyst bed remains below 80 percent of the temperature difference at which compliance was demonstrated during the most recent measurement of incinerator efficiency or when the inlet temperature falls more than 28 ° C (50 ° F) below the temperature at which compliance with § 60.462(a)(2), (3), or (4) was demonstrated during the most recent measurement of incinerator efficiency required by § 60.8. The records required by § 60.7 shall identify each such occurrence and its duration.
[COMPLIANCE WITH 40 CFR 63, SUBPART SSSS REQUIREMENTS ENSURES COMPLIANCE WITH 40 CFR 60.464 REQUIREMENTS, SEE US EPA APPLICABILITY DETERMINATION INDEX CONTROL NO.0400019]

[47 FR 49612, Nov. 1, 1982; 48 FR 1056, Jan. 10, 1983, as amended at 65 FR 61761, Oct. 17, 2000]

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.465]

Subpart TT - Standards of Performance for Metal Coil Surface Coating

Reporting and recordkeeping requirements.

60.465(a) [NA - DOES NOT COMPLY WITH NUMERICAL LIMIT IN § 60.462(a) (1), (2), OR (4)]

60.465(b) Where compliance with § 60.462(a)(2), (3), or (4) is achieved through the use of an emission control device that destroys VOC's, each owner or operator subject to the provisions of this subpart shall include the following data in the initial

SECTION E. Source Group Restrictions.

compliance report required by § 60.8:

60.465(b)(1) The overall VOC destruction rate used to attain compliance with § 60.462(a)(2), (3), or (4) and the calculated emission limit used to attain compliance with § 60.462(a)(4); and

60.465(b)(2) The combustion temperature of the thermal incinerator or the gas temperature, both upstream and downstream of the incinerator catalyst bed, used to attain compliance with § 60.462(a)(2), (3), or (4).

60.465(c) [NA - DOES NOT COMPLY WITH VOLUME WEIGHTED AVERAGE]

60.465(d) The owner or operator of each affected facility shall also submit reports at the frequency specified in § 60.7(c) when the incinerator temperature drops as defined under § 60.464(c). If no such periods occur, the owner or operator shall state this in the report.

60.465(e) Each owner or operator subject to the provisions of this subpart shall maintain at the source, for a period of at least 2 years, records of all data and calculations used to determine monthly VOC emissions from each affected facility and to determine the monthly emission limit, where applicable. Where compliance is achieved through the use of thermal incineration, each owner or operator shall maintain, at the source, daily records of the incinerator combustion temperature. If catalytic incineration is used, the owner or operator shall maintain at the source daily records of the gas temperature, both upstream and downstream of the incinerator catalyst bed.

[47 FR 49612, Nov. 1, 1982, as amended at 55 FR 51383, Dec. 13, 1990; 56 FR 20497, May 3, 1991; 65 FR 61761, Oct. 17, 2000]

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.466]

Subpart TT - Standards of Performance for Metal Coil Surface Coating

Test methods and procedures.

60.466(a) The reference methods in appendix A to this part, except as provided under § 60.8(b), shall be used to determine compliance with § 60.462 as follows:

60.466(a)(1) Method 24, or data provided by the formulator of the coating, shall be used for determining the VOC content of each coating as applied to the surface of the metal coil. In the event of a dispute, Method 24 shall be the reference method. When VOC content of waterborne coatings, determined by Method 24, is used to determine compliance of affected facilities, the results of the Method 24 analysis shall be adjusted as described in Section 12.6 of Method 24;

60.466(a)(2) Method 25, both for measuring the VOC concentration in each gas stream entering and leaving the control device on each stack equipped with an emission control device and for measuring the VOC concentration in each gas stream emitted directly to the atmosphere;

60.466(a)(3) Method 1 for sample and velocity traverses;

60.466(a)(4) Method 2 for velocity and volumetric flow rate;

60.466(a)(5) Method 3 for gas analysis; and

60.466(a)(6) Method 4 for stack gas moisture.

60.466(b) For Method 24, the coating sample must be at least a 1-liter sample taken at a point where the sample will be representative of the coating as applied to the surface of the metal coil.

60.466(c) For Method 25, the sampling time for each of three runs is to be at least 60 minutes, and the minimum sampling volume is to be at least 0.003 dscm (0.11 dscf); however, shorter sampling times or smaller volumes, when necessitated by process variables or other factors, may be approved by the Administrator.

60.466(d) The Administrator will approve testing of representative stacks on a case-by-case basis if the owner or operator can demonstrate to the satisfaction of the Administrator that testing of representative stacks yields results comparable to those that would be obtained by testing all stacks.

SECTION E. Source Group Restrictions.

[47 FR 49612, Nov. 1, 1982, as amended at 51 FR 22938, June 24, 1986; 65 FR 61761, Oct. 17, 2000]

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

SECTION E. Source Group Restrictions.

Group Name: GROUP 011

Group Description: 40 CFR 63, Subpart SSSS Sources

Sources included in this group

ID	Name
HP201	60" COIL COATING/ANNEALING LINE

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

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

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

SECTION E. Source Group Restrictions.

 # 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Part 63 § 63.5090]

Subpart SSSS - National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Coil

Does this subpart apply to me?

63.5090(a) The provisions of this subpart apply to each facility that is a major source of HAP, as defined in §63.2, at which a coil coating line is operated, except as provided in paragraphs (b) and (e) of this section.

63.5090(b) This subpart does not apply to any coil coating line that meets the criteria of paragraph (b)(1) or (2) of this section.

63.5090(b)(1) A coil coating line that is part of research or laboratory equipment.

63.5090(b)(2) A coil coating line on which at least 85 percent of the metal coil coated, based on surface area, is less than 0.15 millimeter (0.006 inch) thick, except as provided in paragraph (c) of this section.

63.5090(c) If you operate a coating line subject to subpart JJJJ of this part that also meets the criteria in either paragraph (c)(1) or (2) of this section, and you choose to comply with the requirements of this subpart, then such compliance constitutes compliance with subpart JJJJ. The coating line for which you choose this option is, therefore, included in the affected source for this subpart as defined in § 63.5110 and shall not be included in the affected source for subpart JJJJ as defined in § 63.3300.

63.5090(c)(1) The coating line is used to coat metal coil of thicknesses both less than and greater than or equal to 0.15 millimeter (0.006 inch) thick, regardless of the percentage of surface area of each thickness coated.

63.5090(c)(2) The coating line is used to coat only metal coil that is less than 0.15 millimeter (0.006 inch) thick and the coating line is controlled by a common control device that also receives organic HAP emissions from a coil coating line that is subject to the requirements of this subpart.

63.5090(d) Each coil coating line that does not comply with the provisions of this subpart because it meets the criteria in paragraph (b)(2) of this section, that for any rolling 12-month period fails to meet the criteria in paragraph (b)(2) would from that point forward become subject to the provisions of this subpart. After becoming subject to the provisions of this subpart, the coil coating line would no longer be eligible to use the criteria of paragraph (b)(2) of this section, even if in subsequent 12-month periods at least 85 percent of the metal coil coated, based on surface area, is less than 0.15 millimeter (0.006 inch) thick.

63.5090(e) This subpart does not apply to the application of incidental markings (including letters, numbers, or symbols) that are added to bare metal coils and that are used for only product identification or for product inventory control. The application of letters, numbers, or symbols to a coated metal coil is considered a coil coating process and part of the coil coating affected source.

[67 FR 39812, June 10, 2002, as amended at 85 FR 10861, Feb. 25, 2020]

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Part 63.5100]

Subpart SSSS - National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Coil

Which of my emissions sources are affected by this subpart?

The affected source subject to this subpart is the collection of all of the coil coating lines at your facility

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Part 63.5120]

Subpart SSSS - National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Coil

What emission standards must I meet?

63.5120(a) Each coil coating affected source must limit organic HAP emissions to the level specified in paragraph (a)(1), (2), or (3) of this section:

63.5120(a)(1) No more than 2 percent of the organic HAP applied for each month during each 12-month compliance period (98 percent reduction); or

63.5120(a)(2) [NA - COMPLIES WITH 63.5120(a)(1)]

SECTION E. Source Group Restrictions.

63.5120(a)(3) [NA - COMPLIES WITH 63.5120(a)(1)]

63.5120(b) You must demonstrate compliance with one of these standards by following the applicable procedures in § 63.5170.

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Part 63.5121]

Subpart SSSS - National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Coil

What operating limits must I meet?

63.5121(a) Except as provided in paragraph (b) of this section, for any coil coating line for which you use an add-on control device, unless you use a solvent recovery system and conduct a liquid-liquid material balance according to §63.5170(e)(1), you must meet the applicable operating limits specified in Table 1 to this subpart. You must establish the operating limits during performance tests according to the requirements in §63.5160(d)(3) and Table 1 to §63.5160. You must meet the operating limits established during the most recent performance test required in §63.5160 at all times after you establish them.

TABLE 1 REQUIREMENTS:

Table 1 to Subpart SSSS of Part 63 —Operating Limits if Using Add-on Control Devices and Capture System

For the following device . . .
1. thermal oxidizer

You must meet the following operating limit . . .
a. the average combustion temperature in any 3-hour period must not fall below the combustion temperature limit established according to § 63.5160(d)(3)(i)

And you must demonstrate continuous compliance with the operating limit by . . .
i. collecting the combustion temperature data according to § 63.5150(a)(3);
ii. reducing the data to 3-hour block averages; and
iii. maintaining the 3-hour average combustion temperature at or above the temperature limit.

END OF TABLE 1 REQUIREMENTS

63.5121(b) [NA - ADD-ON CONTROL DEVICE LISTED IN TABLE 1]

[67 FR 39812, June 10, 2002, as amended at 85 FR 10862, Feb. 25, 2020]

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Part 63.5130]

Subpart SSSS - National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Coil

When must I comply?

[NA - FACILTIY ALREADY COMPLIES WITH REGULATION]

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Part 63.5170]

Subpart SSSS - National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Coil

How do I demonstrate compliance with the standards?

You must include all coating materials (as defined in § 63.5110) used in the affected source when determining compliance with the applicable emission limit in § 63.5120. To make this determination, you must use at least one of the four compliance options listed in Table 1 of this section. You may apply any of the compliance options to an individual coil coating line, or to multiple lines as a group, or to the entire affected source. You may use different compliance options for different coil coating lines, or at different times on the same line. However, you may not use different compliance options at the same time on the same coil coating line. If you switch between compliance options for any coil coating line or group of lines, you must document this switch as required by § 63.5190(a), and you must report it in the next semiannual compliance report required in § 63.5180.

Table 1 to § 63.5170—Compliance Demonstration Requirements Index

If you choose to demonstrate compliance by: Then you must demonstrate that:

SECTION E. Source Group Restrictions.

1. [NA - DOES NOT COMPLY WITH "AS PURCHASED" COMPLIANT COATING]
2. [NA - DOES NOT COMPLY WITH "AS APPLIED" COMPLIANT COATING]
3. Use of a capture system and control device

Then you must demonstrate that:

Overall organic HAP control efficiency is at least 98 percent on a monthly basis for individual or groups of coil coating lines; or overall organic HAP control efficiency is at least 98 percent during performance tests conducted according to Table 1 to §63.5170 and operating limits are achieved continuously for individual coil coating lines; or oxidizer outlet HAP concentration is no greater than 20 ppmv and there is 100-percent capture efficiency during performance tests conducted according to Table 1 to §63.5170 and operating limits are achieved continuously for individual coil coating lines. Paragraph (c) of this section.

4. [NA - DOES NOT USE A COMBINATION TO COMPLY]

63.5170(a) [NA - DOES NOT SHOW COMPLIANCE BY AS-PURCHASED COMPLIANT COATING]

63.5170(b) [NA - DOES NOT SHOW COMPLIANCE BY AS-APPLIED COMPLIANT COATING]

63.5170(c) Capture and control to reduce emissions to no more than the allowable limit.

If you use one or more capture systems and one or more control devices and demonstrate an average overall organic HAP control efficiency of at least 98 percent for each month to comply with § 63.5120(a)(1); or operate a capture system and oxidizer so that the capture efficiency is 100 percent and the oxidizer outlet HAP concentration is no greater than 20 ppmv on a dry basis to comply with § 63.5120(a)(3), you must follow one of the procedures in paragraphs (c)(1) through (4) of this section. Alternatively, you may demonstrate compliance for an individual coil coating line by operating its capture system and control device and continuous parameter monitoring system according to the procedures in paragraph (i) of this section.

63.5170(c)(1) - (4) [NA - COMPLIES WITH 63.5170(i)]

63.5170(d) [NA - DOES NOT COMPLY BY ACHIEVING AN EMISSION RATE LIMIT]

63.5170(e) [NA - DOES NOT OPERATE A SOLVENT RECOVERY DEVICE]

63.5170(f) [NA - COMPLIES WITH 63.5170(i)]

63.5170(g) [NA - DOES NOT OPERATE A SOLVENT RECOVERY DEVICE & COMPLIES WITH 63.5170(i)]

63.5170(h) [NA - STATIONS ALWAYS CONTROLLED]

63.5170(i) Capture and control system compliance demonstration procedures using a CPMS for a coil coating line.

If you use an add-on control device, to demonstrate initial compliance for each capture system and each control device through performance tests and continuing compliance through continuous monitoring of capture system and control device operating parameters, you must meet the requirements in paragraphs (i)(1) through (3) of this section.

63.5170(i)(1) Conduct performance tests according to the schedule in Table 1 to §63.5160 to determine the control device destruction or removal efficiency, DRE, according to §63.5160(d) and Table 1 to §63.5160.

63.5170(i)(2) Determine the emission capture efficiency, CE, in accordance with § 63.5160(e).

63.5170(i)(3) Whenever a coil coating line is operated, continuously monitor the operating parameters established according to § 63.5150(a)(3) and (4) to ensure capture and control efficiency.

[67 FR 39812, June 10, 2002, as amended at 85 FR 10864, Feb. 25, 2020]

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Part 63.5180]

Subpart SSSS - National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Coil

What reports must I submit?

SECTION E. Source Group Restrictions.

63.5180(a) Submit the reports specified in paragraphs (b) through (i) of this section to the EPA Regional Office that serves the State or territory in which the affected source is located and to the delegated State agency:

63.5180(b) [NA - INITIAL NOTIFICATION ALREADY SUBMITTED]

63.5180(c) [NA - NOTIFICATION OF PERFORMANCE TEST ALREADY SUBMITTED]

63.5180(d) [NA - NOTIFICATION OF INITIAL COMPLIANCE STATUS ALREADY SUBMITTED]

63.5180(e) [NA - PERFORMANCE TEST REPORT ALREADY SUBMITTED]

63.5180(f) Before August 24, 2020, you must submit start-up, shutdown, and malfunction reports as specified in §63.10(d)(5) if you use a control device to comply with this subpart.

63.5180(f)(1) [NA – START-UP, SHUTDOWN, AND MALFUNCTION PLAN/REPORT NO LONGER REQUIRED AFTER 8/24/20]

63.5180(f)(2) [Reserved]

63.5180(g) You must submit semi-annual compliance reports containing the information specified in paragraphs (g)(1) and (2) of this section.

63.5180(g)(1) Compliance report dates.

63.5180(g)(1)(i) The first semiannual reporting period begins 1 day after the end of the initial compliance period described in § 63.5130(d) that applies to your affected source and ends 6 months later.

63.5180(g)(1)(ii) The first semiannual compliance report must cover the first semiannual reporting period and be postmarked or delivered no later than 30 days after the reporting period ends.

63.5180(g)(1)(iii) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

63.5180(g)(1)(iv) Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

63.5180(g)(1)(v) For each affected source that is subject to permitting regulations pursuant to 40 CFR part 70 or part 71, and the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (g)(1)(i) through (iv) of this section.

63.5180(g)(2) The semi-annual compliance report must contain the following information:

63.5180(g)(2)(i) Company name and address.

63.5180(g)(2)(ii) Statement by a responsible official with that official's name, title, and signature, certifying the accuracy of the content of the report.

63.5180(g)(2)(iii) Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

63.5180(g)(2)(iv) Identification of the compliance option or options specified in Table 1 to § 63.5170 that you used on each coating operation during the reporting period. If you switched between compliance options during the reporting period, you must report the beginning dates you used each option.

SECTION E. Source Group Restrictions.

63.5180(g)(2)(v) A statement that there were no deviations from the applicable emission limit in §63.5120 or the applicable operating limit(s) established according to §63.5121 during the reporting period, and that no CEMS were inoperative, inactive, malfunctioning, out-of-control, repaired, or adjusted.

63.5180(h) You must submit, for each deviation occurring at an affected source where you are not using CEMS to comply with the standards in this subpart, the semi-annual compliance report containing the information in paragraphs (g)(2)(i) through (iv) of this section and the information in paragraphs (h)(1) through (4) of this section:

63.5180(h)(1) The total operating time of each affected source during the reporting period.

63.5180(h)(2) Before August 24, 2020, you must provide information on the number, duration, and cause of deviations (including unknown cause, if applicable) as applicable, and the corrective action taken. On and after August 24, 2020, you must provide information on the number, date, time, duration, and cause of deviations from an emission limit in §63.5120 or any applicable operating limit established according to §63.5121 (including unknown cause, if applicable) as applicable, and the corrective action taken.

63.5180(h)(3) Before August 24, 2020, you must provide information on the number, duration, and cause for continuous parameter monitoring system downtime incidents (including unknown cause other than downtime associated with zero and span and other daily calibration checks, if applicable). On and after August 24, 2020, you must provide the information specified in paragraphs (h)(3)(i) and (ii) of this section.

63.5180(h)(3)(i) Number, date, time, duration, cause (including unknown cause), and descriptions of corrective actions taken for continuous parameter monitoring systems that are inoperative (except for zero (low-level) and high-level checks).

63.5180(h)(3)(ii) Number, date, time, duration, cause (including unknown cause), and descriptions of corrective actions taken for continuous parameter monitoring systems that are out of control as specified in §63.8(c)(7).

63.5180(h)(4) On and after August 24, 2020, for each deviation from an emission limit in §63.5120 or any applicable operating limit established according to §63.5121, you must provide a list of the affected source or equipment, an estimate of the quantity of each regulated pollutant emitted over any emission limit in §63.5120, a description of the method used to estimate the emissions, and the actions you took to minimize emissions in accordance with §63.5140(b).

63.5180(i) [NA - NO CEMS]

[67 FR 39812, June 10, 2002, as amended at 68 FR 12592, Mar. 17, 2003; 85 FR 10865, Feb. 25, 2020; 85 FR 73908, Nov. 19, 2020]

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Part 63.5181]

Subpart SSSS - National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Coil

What are my electronic reporting requirements?

63.5181(a) Beginning no later than August 24, 2020, you must submit the results of each performance test as required in §63.5180(e) following the procedure specified in paragraphs (a)(1) through (3) of this section.

63.5181(a)(1) For data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT website (https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert) at the time of the test, you must submit the results of the performance test to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI). The CEDRI interface can be accessed through the EPA's Central Data Exchange (CDX) (https://cdx.epa.gov/). Performance test data must be submitted in a file format generated through the use of the EPA's ERT or an alternate electronic file format consistent with the extensible markup language (XML) schema listed on the EPA's ERT website.

63.5181(a)(2) For data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT website at the time of the test, you must submit the results of the performance test in portable document format (PDF) using the attachment module of the ERT.

63.5181(a)(3) If you claim that some of the performance test information being submitted under paragraph (a)(1) of this section is confidential business information (CBI), you must submit a complete file generated through the use of the EPA's

SECTION E. Source Group Restrictions.

ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website, including information claimed to be CBI, on a compact disc, flash drive or other commonly used electronic storage medium to the EPA. The electronic medium must be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT or alternate file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described in paragraph (a)(1) of this section.

63.5181(b) Beginning on August 24, 2020, the owner or operator shall submit the initial notifications required in §63.9(b) and the notification of compliance status required in §§63.9(h) and 63.5180(d) to the EPA via the CEDRI. The CEDRI interface can be accessed through the EPA's CDX (https://cdx.epa.gov). The owner or operator must upload to CEDRI an electronic copy of each applicable notification in PDF. The applicable notification must be submitted by the deadline specified in this subpart, regardless of the method in which the reports are submitted. Owners or operators who claim that some of the information required to be submitted via CEDRI is CBI shall submit a complete report generated using the appropriate form in CEDRI or an alternate electronic file consistent with the XML schema listed on the EPA's CEDRI website, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage medium to the EPA. The electronic medium shall be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted shall be submitted to the EPA via the EPA's CDX as described earlier in this paragraph.

63.5181(c) Beginning on March 25, 2021, or once the reporting template has been available on the CEDRI website for 1 year, whichever date is later, the owner or operator shall submit the semiannual compliance report required in §63.5180(g) through (i), as applicable, to the EPA via the CEDRI. The CEDRI interface can be accessed through the EPA's CDX (https://cdx.epa.gov). The owner or operator must use the appropriate electronic template on the CEDRI website for this subpart (https://www.epa.gov/electronic-reporting-air-emissions/compliance-and-emissions-data-reporting-interface-cedri). The date on which the report templates become available will be listed on the CEDRI website. If the reporting form for the semiannual compliance report specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate addresses listed in §63.13. Once the form has been available in CEDRI for 1 year, you must begin submitting all subsequent reports via CEDRI. The reports must be submitted by the deadlines specified in this subpart, regardless of the method in which the reports are submitted. Owners or operators who claim that some of the information required to be submitted via CEDRI is CBI shall submit a complete report generated using the appropriate form in CEDRI, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage medium to the EPA. The electronic medium shall be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted shall be submitted to the EPA via the EPA's CDX as described earlier in this paragraph.

63.5181(d) If you are required to electronically submit a report through the CEDRI in the EPA's CDX, you may assert a claim of EPA system outage for failure to timely comply with the reporting requirement. To assert a claim of EPA system outage, you must meet the requirements outlined in paragraphs (g)(1) through (7) of this section.

63.5181(d)(1) You must have been or will be precluded from accessing CEDRI and submitting a required report within the time prescribed due to an outage of either the EPA's CEDRI or CDX systems.

63.5181(d)(2) The outage must have occurred within the period of time beginning five business days prior to the date that the submission is due.

63.5181(d)(3) The outage may be planned or unplanned.

63.5181(d)(4) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or caused a delay in reporting.

63.5181(d)(5) You must provide to the Administrator a written description identifying:

63.5181(d)(5)(i) The date(s) and time(s) when CDX or CEDRI was accessed and the system was unavailable;

63.5181(d)(5)(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to the EPA system outage;

SECTION E. Source Group Restrictions.

63.5181(d)(5)(iii) Measures taken or to be taken to minimize the delay in reporting; and

63.5181(d)(5)(iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported.

63.5181(d)(6) The decision to accept the claim of EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

63.5181(d)(7) In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved.

63.5181(e) If you are required to electronically submit a report through CEDRI in the EPA's CDX, you may assert a claim of force majeure for failure to timely comply with the reporting requirement. To assert a claim of force majeure, you must meet the requirements outlined in paragraphs (h)(1) through (5) of this section.

63.5181(e)(1) You may submit a claim if a force majeure event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning five business days prior to the date the submission is due. For the purposes of this section, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents you from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large scale power outage).

63.5181(e)(2) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

63.5181(e)(3) You must provide to the Administrator:

63.5181(e)(3)(i) A written description of the force majeure event;

63.5181(e)(3)(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event;

63.5181(e)(3)(iii) Measures taken or to be taken to minimize the delay in reporting; and

63.5181(e)(3)(iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported.

63.5181(e)(4) The decision to accept the claim of force majeure and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

63.5181(e)(5) In any circumstance, the reporting must occur as soon as possible after the force majeure event occurs.

[85 FR 10866, Feb. 25, 2020]

 # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Part 63.5190]

Subpart SSSS - National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Coil

What records must I maintain?

63.5190(a) You must maintain the records specified in paragraphs (a) and (b) of this section in accordance with § 63.10(b)(1):

63.5190(a)(1) Records of the coating lines on which you used each compliance option and the time periods (beginning and ending dates and times) you used each option.

63.5190(a)(2) Records specified in § 63.10(b)(2) of all measurements needed to demonstrate compliance with this subpart, including:

SECTION E. Source Group Restrictions.

63.5190(a)(2)(i) [NA - NO CEMS]

63.5190(a)(2)(ii) Control device and capture system operating parameter data in accordance with § 63.5150(a)(1), (3), and (4);

63.5190(a)(2)(iii) [NA - DOES NOT COMPLY BY LIMITING HAP OR VOLATILE MATTER CONTENT OF COATINGS, COMPLIES BY 63.5160(d) & (e)]

63.5190(a)(2)(iv) [NA - DOES NOT COMPLY BY LIMITING HAP OR VOLATILE MATTER CONTENT OF COATINGS, COMPLIES BY 63.5160(d) & (e)]

63.5190(a)(2)(v) Overall control efficiency determination or alternative outlet HAP concentration using capture efficiency tests and control device destruction or removal efficiency tests in accordance with § 63.5160(d), (e), and (f); and

63.5190(a)(2)(vi) [NA - DOES NOT COMPLY BY LIMITING HAP OR VOLATILE MATTER CONTENT OF COATINGS, COMPLIES BY 63.5160(d) & (e)]

63.5190(a)(3) Records specified in § 63.10(b)(3); and

63.5190(a)(4) [NA - NO CEMS]

63.5190(a)(5) On and after August 24, 2020, for each deviation from an emission limitation reported under §63.5180(h) or (i), a record of the information specified in paragraphs (a)(5)(i) through (iv) of this section, as applicable.

63.5190(a)(5)(i) The date, time, and duration of the deviation, as reported under §63.5180(h) and (i).

63.5190(a)(5)(ii) A list of the affected sources or equipment for which the deviation occurred and the cause of the deviation, as reported under §63.5180(h) and (i).

63.5190(a)(5)(iii) An estimate of the quantity of each regulated pollutant emitted over any applicable emission limit in §63.5120 to this subpart or any applicable operating limit established according to §63.5121 to this subpart, and a description of the method used to calculate the estimate, as reported under §63.5180(h) and (i).

63.5190(a)(5)(iv) A record of actions taken to minimize emissions in accordance with §63.5140(b) and any corrective actions taken to return the affected unit to its normal or usual manner of operation.

63.5190(b) [NA - LIQUID-LIQUID MATERIAL BALANCE NOT USED FOR COMPLIANCE]

63.5190(c) Any records required to be maintained by this subpart that are in reports that were submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.

[67 FR 39812, June 10, 2002, as amended at 85 FR 10867, Feb. 25, 2020]

 # 011 [40 CFR Part 63 NESHAPS for Source Categories §CFR Part 63.5140]

Subpart SSSS - National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Coil

What general requirements must I meet to comply with the standards?

63.5140(a) Before August 24, 2020, you must be in compliance with the applicable emission standards in §63.5120 and the operating limits in Table 1 to this subpart at all times, except during periods of start-up, shutdown, and malfunction of any capture system and control device used to comply with this subpart. On and after August 24, 2020 you must be in compliance with the applicable emission standards in §63.5120 and the operating limits in Table 1 to this subpart at all times. If you are complying with the emission standards of this subpart without the use of a capture system and control device, you must be in compliance with the standards at all times.

63.5140(b) Before August 24, 2020, you must always operate and maintain your affected source, including air pollution control and monitoring equipment, according to the provisions in §63.6(e)(1). On and after August 24, 2020, at all times, you

SECTION E. Source Group Restrictions.

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

63.5140(c) Table 2 of this subpart provides cross references to subpart A of this part, indicating the applicability of the General Provisions requirements to this subpart.

[67 FR 39812, June 10, 2002, as amended at 85 FR 10862, Feb. 25, 2020]

 # 012 [40 CFR Part 63 NESHAPS for Source Categories §CFR Part 63.5150]

Subpart SSSS - National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Coil

If I use a control device to comply with the emission standards, what monitoring must I do?

Table 1 to § 63.5150—Control Device Monitoring Requirements Index

If you operate a coil coating line and have the following:

1. Control device - then you must: Monitor control device operating parameters (§ 63.5150(a)(3)).
2. Capture system - then you must: Monitor capture system operating parameters (§ 63.5150(a)(4)).
3. [NA - NO INTERMITTENTLY CONTROLLED WORK STATIONS]
4. [NA - NO CEMS]

63.5150(a) To demonstrate continuing compliance with the standards, you must monitor and inspect each capture system and each control device required to comply with §63.5120 following the date on which the initial performance test of the capture system and control device is completed. You must install and operate the monitoring equipment as specified in paragraphs (a)(1) through (4) of this section. On and after August 24, 2020, you must also maintain the monitoring equipment at all times in accordance with §63.5140(b) and keep the necessary parts readily available for routine repairs of the monitoring equipment.

63.5150(a)(1) [NA - COIL COATING LINES NOT INTERMITTENTLY CONTROLLED]

63.5150(a)(2) [NA - NO CEMS]

63.5150(a)(3) Temperature monitoring of oxidizers.

If you are complying with the requirements of the standards in § 63.5120 through the use of an oxidizer and demonstrating continuous compliance through monitoring of an oxidizer operating parameter, you must comply with paragraphs (a)(3)(i) through (iii) of this section.

63.5150(a)(3)(i) Install, calibrate, maintain, and operate temperature monitoring equipment according to manufacturer's specifications. The calibration of the chart recorder, data logger, or temperature indicator must be verified every 3 months; or the chart recorder, data logger, or temperature indicator must be replaced. You must replace the equipment either if you choose not to perform the calibration, or if the equipment cannot be calibrated properly. Each temperature monitoring device must be equipped with a continuous recorder. The device must have an accuracy of ± 1 percent of the temperature being monitored in degrees Celsius, or ± 1 ° Celsius, whichever is greater.

63.5150(a)(3)(ii) For an oxidizer other than a catalytic oxidizer, to demonstrate continuous compliance with the operating limit established according to § 63.5160(d)(3)(i), you must install the thermocouple or temperature sensor in the combustion chamber at a location in the combustion zone.

63.5150(a)(3)(iii) [NA - NO CATALYTIC OXIDIZER]

63.5150(a)(4) Capture system monitoring.

SECTION E. Source Group Restrictions.

If you are complying with the requirements of the standards in § 63.5120 through the use of a capture system and control device, you must develop a capture system monitoring plan containing the information specified in paragraphs (a)(4)(i) and (ii) of this section. You must monitor the capture system in accordance with paragraph (a)(4)(iii) of this section. You must make the monitoring plan available for inspection by the permitting authority upon request.

63.5150(a)(4)(i) The monitoring plan must identify the operating parameter to be monitored to ensure that the capture efficiency measured during compliance tests is maintained, explain why this parameter is appropriate for demonstrating ongoing compliance, and identify the specific monitoring procedures.

63.5150(a)(4)(ii) The plan also must specify operating limits at the capture system operating parameter value, or range of values, that demonstrates compliance with the standards in § 63.5120. The operating limits must represent the conditions indicative of proper operation and maintenance of the capture system.

63.5150(a)(4)(iii) You must conduct monitoring in accordance with the plan.

63.5150(b) If an operating parameter monitored in accordance with paragraphs (a)(3) and (4) of this section is out of the allowed range specified in Table 1 to this subpart it will be considered a deviation from the operating limit.

[67 FR 39812, June 10, 2002, as amended at 85 FR 10862, Feb. 25, 2020]

 # 013 [40 CFR Part 63 NESHAPS for Source Categories §CFR Part 63.5160]

Subpart SSSS - National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Coil

What performance tests must I complete?

Table 1 to § 63.5160—Required Performance Testing Summary

If you control HAP on your coil coating line by: You must:

1. [NA - DOES NOT COMPLY BY LIMITING HAP OR VOLATILE MATTER CONTENT OF COATINGS]
2. Using a capture system and add-on control device - YOU MUST: Except as specified in paragraph (a) of this section, conduct an initial performance test within 180 days of the applicable compliance date in §63.5130, and conduct periodic performance tests within 5 years following the previous performance test, as follows: If you are not required to complete periodic performance tests as a requirement of renewing your facility's operating permit under 40 CFR part 70 or 40 CFR part 71, you must conduct the first periodic performance test before March 25, 2023, unless you already have conducted a performance test on or after March 25, 2018; thereafter, you must conduct a performance test no later than 5 years following the previous performance test. Operating limits must be confirmed or reestablished during each performance test. If you are required to complete periodic performance tests as a requirement of renewing your facility's operating permit under 40 CFR part 70 or 40 CFR part 71, you must conduct the periodic testing in accordance with the terms and schedule required by your permit conditions. For each performance test: (1) For each capture and control system, determine the destruction or removal efficiency of each control device according to §63.5160(d) and the capture efficiency of each capture system according to §63.5160(e), and (2) confirm or re-establish the operating limits.

63.5160(a) If you use a control device to comply with the requirements of § 63.5120, you are not required to conduct a performance test to demonstrate compliance if one or more of the criteria in paragraphs (a)(1) through (3) of this section are met:

63.5160(a)(1) [NA - NOT EQUIPPED WITH CEM]

63.5160(a)(2) You have received a waiver of performance testing under § 63.7(h); or

63.5160(a)(3) [NA - CONTROL DEVICE IS NOT A SOLVENT RECOVERY SYSTEM]

63.5160(b) - (c) [NA -DOES NOT COMPLY BY LIMITING HAP OR VOLATILE MATTER CONTENT OF COATINGS]

63.5160(d) Control device destruction or removal efficiency.

If you are using an add-on control device, such as an oxidizer, to comply with the standard in § 63.5120, you must conduct a performance test to establish the destruction or removal efficiency of the control device or the outlet HAP concentration

SECTION E. Source Group Restrictions.

achieved by the oxidizer, according to the methods and procedures in paragraphs (d)(1) and (2) of this section. During the performance test, you must establish the operating limits required by § 63.5121 according to paragraph (d)(3) of this section.

63.5160(d)(1) Performance tests conducted to determine the destruction or removal efficiency of the control device must be performed such that control device inlet and outlet testing is conducted simultaneously. To determine the outlet organic HAP concentration achieved by the oxidizer, only oxidizer outlet testing must be conducted. The data must be reduced in accordance with the test methods and procedures in paragraphs (d)(1)(i) through (ix).

63.5160(d)(1)(i) Method 1 or 1A of 40 CFR part 60, appendix A, is used for sample and velocity traverses to determine sampling locations.

63.5160(d)(1)(ii) Method 2, 2A, 2C, 2D, 2F, or 2G of 40 CFR part 60, appendix A, is used to determine gas volumetric flow rate.

63.5160(d)(1)(iii) Method 3, 3A, or 3B of 40 CFR part 60, appendix A, used for gas analysis to determine dry molecular weight. You may also use as an alternative to Method 3B, the manual method for measuring the oxygen, carbon dioxide, and carbon monoxide content of exhaust gas, ANSI/ASME PTC 19.10–1981, “Flue and Exhaust Gas Analyses” (incorporated by reference, see § 63.14).

63.5160(d)(1)(iv) Method 4 of 40 CFR part 60, appendix A, is used to determine stack gas moisture.

63.5160(d)(1)(v) Methods for determining gas volumetric flow rate, dry molecular weight, and stack gas moisture must be performed, as applicable, during each test run, as specified in paragraph (d)(1)(vii) of this section.

63.5160(d)(1)(vi) Method 25 or 25A in appendix A-7 of part 60 is used to determine total gaseous non-methane organic matter concentration. You may use Method 18 in appendix A-6 of part 60 to subtract methane emissions from measured total gaseous organic mass emissions as carbon. Use the same test method for both the inlet and outlet measurements, which must be conducted simultaneously. You must submit notification of the intended test method to the Administrator for approval along with notification of the performance test required under §63.7 (b). You must use Method 25A if any of the conditions described in paragraphs (d)(1)(vi)(A) through (D) of this section apply to the control device.

63.5160(d)(1)(vi)(A) [NA - CONTROL DEVICE IS AN OXIDIZER]

63.5160(d)(1)(vi)(B) - (C) [NA - CONTROL DEVICE NOT SUBJECT TO 50 PPMV LIMIT]

63.5160(d)(1)(vi)(D) The control device is an oxidizer, but because of the high efficiency of the control device, the anticipated volatile organic matter concentration at the control device exhaust is 50 ppmv or less, regardless of inlet concentration.

63.5160(d)(1)(vii) Each performance test must consist of three separate runs, except as provided by §63.7(e)(3); each run must be conducted for at least 1 hour under the conditions that exist when the affected source is operating under normal operating conditions. For the purpose of determining volatile organic matter concentrations and mass flow rates, the average of the results of all runs will apply. If you are demonstrating compliance with the outlet organic HAP concentration limit in §63.5120(a)(3), only the average outlet volatile organic matter concentration must be determined.

63.5160(d)(1)(viii) If you are determining the control device destruction or removal efficiency, for each run, determine the volatile organic matter mass flow rates using Equation 1 of this section:

Mf = Qsd * Cc * 12 * 0.0416 * 10^-6

Where:

Mf=total organic volatile matter mass flow rate, kg/per hour (h).
Cc=concentration of organic compounds as carbon in the vent gas, as determined by Method 25 or Method 25A, ppmv, dry basis.
Qsd=volumetric flow rate of gases entering or exiting the control device, as determined by Method 2, 2A, 2C, 2D, 2F, or 2G,

SECTION E. Source Group Restrictions.

dry standard cubic meters (dscm)/h.
0.0416=conversion factor for molar volume, kg-moles per cubic meter (mol/m 3) (@ 293 Kelvin (K) and 760 millimeters of mercury (mmHg)).

63.5160(d)(1)(ix) For each run, determine the control device destruction or removal efficiency, DRE, using Equation 2 of this section:

DRE = (Mfi - Mfo) / Mfo * 100

Where:

DRE=organic emissions destruction or removal efficiency of the add-on control device, percent.
Mfi=organic volatile matter mass flow rate at the inlet to the control device, kg/h.
Mfo=organic volatile matter mass flow rate at the outlet of the control device, kg/h.

63.5160(d)(1)(x) The control device destruction or removal efficiency is determined as the average of the efficiencies determined in the three test runs and calculated in Equation 2 of this section.

63.5160(d)(2) You must record such process information as may be necessary to determine the conditions in existence at the time of the performance test. Before August 24, 2020, operations during periods of start-up, shutdown, and malfunction will not constitute representative conditions for the purpose of a performance test. On and after August 24, 2020, you must conduct the performance test under representative operating conditions for the coating operation. Operations during periods of start-up, shutdown, or nonoperation do not constitute representative conditions for the purpose of a performance test. The owner or operator may not conduct performance tests during periods of malfunction. You must record the process information that is necessary to document operating conditions during the test and explain why the conditions represent normal operation. Upon request, you must make available to the Administrator such records as may be necessary to determine the conditions of performance tests.

63.5160(d)(3) Operating limits. If you are using a capture system and add-on control device other than a solvent recovery system for which you conduct a liquid-liquid material balance to comply with the requirements in §63.5120, you must establish the applicable operating limits required by §63.5121. These operating limits apply to each capture system and to each add-on emission control device that is not monitored by CEMS, and you must establish the operating limits during performance tests required by paragraph (d) of this section according to the requirements in paragraphs (d)(3)(i) through (iii) of this section.

63.5160(d)(3)(i) Thermal oxidizer.

If your add-on control device is a thermal oxidizer, establish the operating limits according to paragraphs (d)(3)(i)(A) and (B) of this section.

63.5160(d)(3)(i)(A) During performance tests, you must monitor and record the combustion temperature at least once every 15 minutes during each of the three test runs. You must monitor the temperature in the firebox of the thermal oxidizer or immediately downstream of the firebox before any substantial heat exchange occurs.

63.5160(d)(3)(i)(B) Use the data collected during the performance test to calculate and record the average combustion temperature maintained during the performance test. This average combustion temperature is the minimum operating limit for your thermal oxidizer.

63.5160(d)(3)(ii) [NA - DOES NOT OPERATE A CATALYTIC OXIDIZER]

63.5160(d)(3)(iii) [NA - DOES NOT OPERATE OTHER TYPES OF CONTROL DEVICES]

63.5160(e) Capture efficiency.

If you are required to determine capture efficiency to meet the requirements of §63.5170(e)(2), (f)(1) and (2), (g)(2) through (4), or (i)(2) and (3), you must determine capture efficiency using the procedures in paragraph (e)(1), (2), or (3) of this section, as applicable.

SECTION E. Source Group Restrictions.

63.5160(e)(1) For an enclosure that meets the criteria for a PTE, you may assume it achieves 100 percent capture efficiency. You must confirm that your capture system is a PTE by demonstrating that it meets the requirements of section 6 of EPA Method 204 of 40 CFR part 51, appendix M (or an EPA approved alternative method), and that all exhaust gases from the enclosure are delivered to a control device.

63.5160(e)(2) You may determine capture efficiency, CE, according to the protocols for testing with temporary total enclosures that are specified in Method 204A through F of 40 CFR part 51, appendix M. You may exclude never-controlled work stations from such capture efficiency determinations.

63.5160(e)(3) As an alternative to the procedures specified in paragraphs (e)(1) and (2) of this section, if you are required to conduct a capture efficiency test, you may use any capture efficiency protocol and test methods that satisfy the criteria of either the Data Quality Objective or the Lower Confidence Limit approach as described in appendix A to subpart KK of this part. You may exclude never-controlled work stations from such capture efficiency determinations.

[67 FR 39812, June 10, 2002, as amended at 85 FR 10862, Feb. 25, 2020]

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

SECTION E. Source Group Restrictions.

Group Name: GROUP 012

Group Description: 40 CFR 63, Subpart ZZZZ Sources

Sources included in this group

ID	Name
201	EMERGENCY GENERATORS

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

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

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

SECTION E. Source Group Restrictions.

 # 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]

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

Am I subject to this subpart?

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

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

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

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

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

63.6585(e) [NA - RICE NOT USED FOR NATIONAL SECURITY]

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

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

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]

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

What parts of my plant does this subpart cover?

This subpart applies to each affected source.

63.6590(a) Affected source.

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

63.6590(a)(1) Existing stationary RICE.

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

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

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

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

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

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

63.6590(b) Stationary RICE subject to limited requirements.

SECTION E. Source Group Restrictions.

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

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

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

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

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

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

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

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

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

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

63.6590(c) [NA - ENGINES NOT SUBJECT TO SUBPART IIII OR JJJJ]

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

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

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

When do I have to comply with this subpart?

63.6595(a) Affected Sources.

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

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

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

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

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

 # 005 [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

SECTION E. Source Group Restrictions.

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

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

TABLE 2C REQUIREMENTS:

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

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

b. Inspect 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***.

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

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

b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;

c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.***

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

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

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

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

[END OF TABLE 2c REQUIREMENTS]

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

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6604]

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

What fuel requirements must I meet if I own or operate an existing stationary CI RICE?

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

SECTION E. Source Group Restrictions.

 # 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?

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

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

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

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6612]

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

By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate an existing stationary RICE with a site rating of less than or equal to 500 brake (please see below)

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

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

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

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

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6615]

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

When must I conduct subsequent performance tests?

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

 # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6620]

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

What performance tests and other procedures must I use?

[PER TABLES 3 AND 4, NO TESTING APPLIES TO EMERGENCY ENGINES]

 # 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?

63.6625(a) [NA - NO CEMS REQUIRED OR ELECTED]

63.6625(b) [NA - NO CPMS REQUIRED OR ELECTED]

63.6625(c) [NA - LFG NOT USED]

63.6625(d) [NA - EXISTING ENGINES]

SECTION E. Source Group Restrictions.

63.6625(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

63.6625(e)(1) An existing stationary RICE with a site rating of less than 100 HP located at a major source of HAP emissions;

63.6625(e)(2) An existing emergency or black start stationary RICE with a site rating of less than or equal to 500 HP located at a major source of HAP emissions;

63.6625(e)(3) - (10) [NA - FACILITY IS MAJOR FOR HAP]

63.6625(f) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.

63.6625(g) [NA - ENGINES ARE EMERGENCY]

63.6625(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply.

63.6625(i) If you own or operate a stationary CI engine that is subject to the work, operation or management practices in items 1 or 2 of Table 2c to this subpart or in items 1 or 4 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

63.6625(j) If you own or operate a stationary SI engine that is subject to the work, operation or management practices in items 6, 7, or 8 of Table 2c to this subpart or in items 5, 6, 7, 9, or 11 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

[69 FR page 33506, June 15, 2004, as amended at 73 FR page 3606, Jan. 18, 2008; 75 FR page 9676, Mar. 3, 2010; 75 FR page 51589, Aug. 20, 2010; 76 FR page 12866, Mar. 9, 2011; 78 FR page 6703, Jan. 30, 2013]

SECTION E. Source Group Restrictions.

 # 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6630]

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

How do I demonstrate initial compliance with the emission limitations and operating limitations?

[NA - EXISTING EMERGENCY ENGINES ARE NOT SUBJECT TO EMISSION LIMITS]

 # 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6635]

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

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

[NA - ENGINES NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

 # 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

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

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

63.6640(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

63.6640(b) [NA - NO EMISSION OR OPERATING LIMITATIONS]

63.6640(c) [NA - FACILITY IS MAJOR FOR HAP]

63.6640(d) [NA - ENGINES ARE EXISTING]

63.6640(e) You must also report each instance in which you did not meet the requirements in Table 8 to this subpart that apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing emergency stationary RICE, an existing limited use stationary RICE, or an existing stationary RICE which fires landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart, except for the initial notification requirements: a new or reconstructed stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new or reconstructed emergency stationary RICE, or a new or reconstructed limited use stationary RICE.

63.6640(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

63.6640(f)(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

63.6640(f)(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

63.6640(f)(2)(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided

SECTION E. Source Group Restrictions.

that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

63.6640(f)(2)(ii) - (iii) [NA - VACATED AS OF 5/2/16 PER COURT ORDER]

63.6640(f)(3) Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

63.6640(f)(4) [NA - FACILITY IS MAJOR FOR HAP]

[69 FR page 33506, June 15, 2004, as amended at 71 FR page 20467, Apr. 20, 2006; 73 FR page 3606, Jan. 18, 2008; 75 FR page 9676, Mar. 3, 2010; 75 FR page 51591, Aug. 20, 2010; 78 FR page 6704, Jan. 30, 2013]

 # 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6645]

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

What notifications must I submit and when?

63.6645(a) You must submit all of the notifications in § § 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to you by the dates specified if you own or operate any of the following;

63.6645(a)(1) An existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions.

63.6645(a)(2) [NA - FACILITY IS MAJOR FOR HAP]

63.6645(a)(3) [NA - ENGINES <500 HP]

63.6645(a)(4) [NA - EXISTING ENGINES]

63.6645(a)(5) This requirement does not apply if you own or operate an existing stationary RICE less than 100 HP, an existing stationary emergency RICE, or an existing stationary RICE that is not subject to any numerical emission standards.

63.6645(b) - (f) [NA – PER (a)(5)]

63.6645(g) [NA – NO TESTING REQUIRED]

63.6645(h) [NA – NO TESTING REQUIRED]

63.6645(i) [NA - FACILITY IS MAJOR FOR HAP]

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

 # 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6650]

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

What reports must I submit and when?

[NA - EXCEPT FOR FOOTNOTE 1 OF TABLE 2c, FACILITY IS NOT SUBJECT TO ANY REPORTING REQUIREMENTS IN TABLE 7]

SECTION E. Source Group Restrictions.

 # 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

What records must I keep?

63.6655(a) If you must comply with the emission and operating limitations, you must keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.

63.6655(a)(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in § 63.10(b)(2)(xiv).

63.6655(a)(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

63.6655(a)(3) [NA - NOT REQUIRED TO CONDUCT PERFORMANCE TESTS]

63.6655(a)(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

63.6655(a)(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with § 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

63.6655(b) [NA – NOT REQUIRED TO INSTALL CEMS OR CPMS]

63.6655(c) [NA – ENGINES DO NOT COMBUST LANDFILL OR DIGESTER GAS]

63.6655(d) You must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to you.

TABLE 6 REQUIREMENTS:

For each:
9. Existing emergency and black start stationary RICE <=500 HP located at a major source of HAP...

Complying with the requirement to ...
a. Work or Management practices

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

[END OF TABLE 6 REQUIREMENTS]

63.6655(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE;

63.6655(e)(1) An existing stationary RICE with a site rating of less than 100 brake HP located at a major source of HAP emissions.

63.6655(e)(2) An existing stationary emergency RICE.

63.6655(e)(3) [NA - FACILITY IS MAJOR FOR HAP]

63.6655(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep

SECTION E. Source Group Restrictions.

records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in § 63.6640(f)(2)(ii) or (iii) or § 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

63.6655(f)(1) An existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that does not meet the standards applicable to non-emergency engines.

63.6655(f)(2) [NA - FACILITY IS MAJOR FOR HAP]

[69 FR page 33506, June 15, 2004, as amended at 75 FR page 9678, Mar. 3, 2010; 75 FR page 51592, Aug. 20, 2010; 78 FR page 6706, Jan. 30, 2013]

 # 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]

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

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

63.6660(a) Your records must be in a form suitable and readily available for expeditious review according to § 63.10(b)(1).

63.6660(b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

63.6660(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1).

[69 FR page 33506, June 15, 2004, as amended at 75 FR page 9678, Mar. 3, 2010]

 # 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]

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

What parts of the General Provisions apply to me?

Table 8 to this subpart shows which parts of the General Provisions in § § 63.1 through 63.15 apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with any of the requirements of the General Provisions specified in Table 8: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing stationary RICE that combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, an existing emergency stationary RICE, or an existing limited use stationary RICE. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in the General Provisions specified in Table 8 except for the initial notification requirements: A new stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new emergency stationary RICE, or a new limited use stationary RICE.
[EXCEPT PER 63.6645(a)(5), THE FOLLOWING DO NOT APPLY: 63.7(b) AND (c), 63.8(e), (f)(4) AND (f)(6), AND 63.9(b)-(e), (g) AND (h)]

[75 FR page 9678, Mar. 3, 2010]

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

SECTION E. Source Group Restrictions.

Group Name: GROUP 013

Group Description: 40 CFR 63, Subpart DDDDD Sources

Sources included in this group

ID	Name
037	COLD MILL BOILER
125A	72" HOT MILL COOLANT TANK HEATER
147A	80" HOT MILL COOLANT TANK HEATER
150	ANNEALING FURNACES 0 - 10
HP201	60" COIL COATING LINE DETERG, RINSE TANK HEATER

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Individual sources within this source group that are subject to 40 CFR Part 63 Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

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

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

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the

SECTION E. Source Group Restrictions.

revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

 # 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]

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

Am I subject to this subpart?

You are subject to this subpart if you own or operate an industrial, commercial, or institutional boiler or process heater as defined in § 63.7575 that is located at, or is part of, a major source of HAP, except as specified in § 63.7491. For purposes of this subpart, a major source of HAP is as defined in § 63.2, except that for oil and natural gas production facilities, a major source of HAP is as defined in § 63.7575.

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

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7490]

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

What is the affected source of this subpart?

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

63.7490(a)(1) The affected source of this subpart is the collection at a major source of all existing industrial, commercial, and institutional boilers and process heaters within a subcategory as defined in § 63.7575.

63.7490(a)(2) [NA - BOILER & PROCESS HEATERS ARE EXISTING]

63.7490(b) [NA - BOILER & PROCESS HEATERS ARE EXISTING]

63.7490(c) A boiler or process heater is reconstructed if you meet the reconstruction criteria as defined in § 63.2, you commence reconstruction after June 4, 2010, and you meet the applicability criteria at the time you commence reconstruction.

63.7490(d) A boiler or process heater is existing if it is not new or reconstructed.

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

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

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7491]

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

Are any boilers or process heaters not subject to this subpart?

The types of boilers and process heaters listed in paragraphs (a) through (n) of this section are not subject to this subpart.

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

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

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

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

63.7491(e) [NA - NO REFINING KETTLES]

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

SECTION E. Source Group Restrictions.

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

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

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

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

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

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

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

63.7491(n) [NA - NO RESIDENTIAL BOILERS]

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

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

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

When do I have to comply with this subpart?

63.7495(a) [NA - EXISTING PROCESS HEATERS & BOILER]

63.7495(b) If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in § 63.6(i).

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

63.7495(d) You must meet the notification requirements in § 63.7545 according to the schedule in § 63.7545 and in subpart A of this part. Some of the notifications must be submitted before you are required to comply with the emission limits and work practice standards in this subpart.

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

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

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

63.7495(h) If you own or operate an existing industrial, commercial, or institutional boiler or process heater and have switched fuels or made a physical change to the boiler or process heater that resulted in the applicability of a different subcategory after the compliance date of this subpart, you must be in compliance with the applicable existing source provisions of this subpart on the effective date of the fuel switch or physical change.

63.7495(i) [NA - EXISTING PROCESS HEATERS & BOILER]

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

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7499]

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

What are the subcategories of boilers and process heaters?

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

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

SECTION E. Source Group Restrictions.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

63.7500(a) You must meet the requirements in paragraphs (a)(1) through (3) of this section, except as provided in paragraphs (b), through (e) of this section. You must meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of this section.

63.7500(a)(1) You must meet each emission limit and work practice standard in Tables 1 through 3, and 11 through 13 [OF THESE TABLES, ONLY TABLE 3 APPLIES TO THE UNITS IN THIS SOURCE GROUP] to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under § 63.7522. The output-based emission limits, in units of pounds per million Btu of steam output, in Tables 1 or 2 to this subpart are an alternative applicable only to boilers and process heaters that generate either steam, cogenerate steam with electricity, or both. The output-based emission limits, in units of pounds per megawatt-hour, in Tables 1 or 2 to this subpart are an alternative applicable only to boilers that generate only electricity. Boilers that perform multiple functions (cogeneration and electricity generation) or supply steam to common headers would calculate a total steam energy output using equation 21 of § 63.7575 to demonstrate compliance with the output-based emission limits, in units of pounds per million Btu of steam output, in Tables 1 or 2 to this subpart. If you operate a new boiler or process heater, you can choose to comply with alternative limits as discussed in paragraphs (a)(1)(i) through (iii) of this section, but on or after January 31, 2016, you must comply with the emission limits in Table 1 to this subpart.

RELEVANT DEFINITION: Unit designed to burn gas 1 subcategory includes any boiler or process heater that burns only natural gas, refinery gas, and/or other gas 1 fuels. Gaseous fuel boilers and process heaters that burn liquid fuel for periodic testing of liquid fuel, maintenance, or operator training, not to exceed a combined total of 48 hours during any calendar year, are included in this definition. Gaseous fuel boilers and process heaters that burn liquid fuel during periods

SECTION E. Source Group Restrictions.

of gas curtailment or gas supply interruptions of any duration are also included in this definition.

TABLE 3 REQUIREMENTS

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

1. If your unit is a new or existing boiler or process heater with a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour in any of the following subcategories: unit designed to burn gas 1; unit designed to burn gas 2 (other); or unit designed to burn light liquid, or a limited use boiler or process heater; you must meet the following: Conduct a tune-up of the boiler or process heater every 5 years as specified in § 63.7540.

2. If your unit is a new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of less than 10 million Btu per hour in the unit designed to burn heavy liquid or unit designed to burn solid fuel subcategories; or a new or existing boiler or process heater with heat input capacity of less than 10 million Btu per hour, but greater than 5 million Btu per hour, in any of the following subcategories: unit designed to burn gas 1; unit designed to burn gas 2 (other); or unit designed to burn light liquid, you must meet the following: Conduct a tune-up of the boiler or process heater biennially as specified in § 63.7540.

3. If your unit is a new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater, you must meet the following: Conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tuneup as a work practice for all regulated emissions under this subpart. Units in all other subcategories will conduct this tuneup as a work practice for dioxins/furans.

4. If your unit is an existing boiler or process heater located at a major source facility, not including limited use units, you must meet the following: Must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table, satisfies the energy assessment requirement. A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items a. to e. appropriate for the on-site technical hours listed in § 63.7575:

a. A visual inspection of the boiler or process heater system.

b. An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.

c. An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator.

d. A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.

e. A review of the facility's energy management practices and provide 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.

END OF TABLE 3 REQUIREMENTS

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

SECTION E. Source Group Restrictions.

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

63.7500(a)(3) At all times, you must operate and maintain any affected source (as defined in § 63.7490), including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

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

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

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

63.7500(e) Boilers and process heaters in the units designed to burn gas 1 fuels subcategory with a heat input capacity of less than or equal to 5 million Btu per hour must complete a tune-up every 5 years as specified in § 63.7540. Boilers and process heaters in the units designed to burn gas 1 fuels subcategory with a heat input capacity greater than 5 million Btu per hour and less than 10 million Btu per hour must complete a tune-up every 2 years as specified in § 63.7540. Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, or the operating limits in Table 4 to this subpart.

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

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

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7505]

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

What are my general requirements for complying with this subpart?

63.7505(a) You must be in compliance with the emission limits, work practice standards, and operating limits in this subpart. These emission and operating limits apply to you at all times the affected unit is operating except for the periods noted in § 63.7500(f).

63.7505(b) [Reserved]

63.7505(c) [NA – NO EMISSION STANDARDS]

63.7505(d) [NA – NO EMISSION STANDARDS]

63.7505(e) [NA – NO EMISSION STANDARDS]

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

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]

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

What are my initial compliance requirements and by what date must I conduct them?

63.7510(a) [NA – NO EMISSION STANDARDS]

63.7510(b) [NA – NO EMISSION STANDARDS]

63.7510(c) [NA – NO EMISSION STANDARDS]

SECTION E. Source Group Restrictions.

63.7510(d) [NA – NO EMISSION STANDARDS]

63.7510(e) For existing affected sources (as defined in § 63.7490), you must complete the initial compliance demonstrations, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the compliance date that is specified for your source in § 63.7495 and according to the applicable provisions in § 63.7(a)(2) as cited in Table 10 to this subpart, except as specified in paragraph (j) of this section. You must complete an initial tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) no later than the compliance date specified in § 63.7495, except as specified in paragraph (j) of this section. You must complete the one-time energy assessment specified in Table 3 to this subpart no later than the compliance date specified in § 63.7495.

63.7510(f) [NA – UNITS ARE EXISTING]

63.7510(g) [NA – UNITS ARE EXISTING]

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

63.7510(i) [NA – NO EGU'S]

63.7510(j) [NA - SOURCES HAVE OPERATED BETWEEN THE EFFECTIVE DATE OF THE RULE AND THE COMPLIANCE DATE]

63.7510(k) For affected sources, as defined in § 63.7490, that switch subcategories consistent with § 63.7545(h) after the initial compliance date, you must demonstrate compliance within 60 days of the effective date of the switch, unless you had previously conducted your compliance demonstration for this subcategory within the previous 12 months.

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

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

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

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

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

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

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

63.7515(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual, biennial, or 5-year performance tune-up according to § 63.7540(a)(10), (11), or (12), respectively. Each annual tune-up specified in § 63.7540(a)(10) must be no more than 13 months after the previous tune-up. Each biennial tune-up specified in § 63.7540(a)(11) must be conducted no more than 25 months after the previous tune-up. Each 5-year tune-up specified in § 63.7540(a)(12) must be conducted no more than 61 months after the previous tune-up. For a new or reconstructed affected source (as defined in § 63.7490), the first annual, biennial, or 5-year tune-up must be no later than 13 months, 25 months, or 61 months, respectively, after April 1, 2013 or the initial startup of the new or reconstructed affected source, whichever is later.

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

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

63.7515(g) For affected sources (as defined in § 63.7490) that have not operated since the previous compliance demonstration and more than one year has passed since the previous compliance demonstration, you must complete the subsequent compliance demonstration, if subject to the emission limits in Tables 1, 2, or 11 through 13 to this subpart, no later than 180 days after the re-start of the affected source and according to the applicable provisions in § 63.7(a)(2) as

SECTION E. Source Group Restrictions.

cited in Table 10 to this subpart. You must complete a subsequent tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) and the schedule described in § 63.7540(a)(13) for units that are not operating at the time of their scheduled tune-up.

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

63.7515(i) [NA - NO CO CEMS]

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

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

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

What performance tests and procedures must I use?

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

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

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

What fuel analyses and procedures must I use?

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

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

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

Can I use emission averaging to comply with this subpart?

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

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

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

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

63.7525(a) [NA – NO EMISSION STANDARDS]

63.7525(b) [NA – NO EMISSION STANDARDS]

63.7525(c) [NA – NO EMISSION STANDARDS]

63.7525(d) [NA – NO CMS REQUIRED]

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

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

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

63.7525(h) [NA – NO ESP]

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

63.7525(j) [NA – NO BLDS]

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

63.7525(l) [NA – NO EMISSION STANDARDS]

63.7525(m) [NA – NO EMISSION STANDARDS]

SECTION E. Source Group Restrictions.

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

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

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

63.7530(a) [NA – NO EMISSION STANDARDS]

63.7530(b) [NA – NO EMISSION STANDARDS]

63.7530(c) [NA – NO EMISSION STANDARDS]

63.7530(d) [Reserved]

63.7530(e) You must include with the Notification of Compliance Status a signed certification that either the energy assessment was completed according to Table 3 to this subpart, and that the assessment is an accurate depiction of your facility at the time of the assessment, or that the maximum number of on-site technical hours specified in the definition of energy assessment applicable to the facility has been expended.

63.7530(f) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in § 63.7545(e).

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

63.7530(h) [NA – NO EMISSION STANDARDS]

63.7530(i) [NA – NO EMISSION STANDARDS]

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

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

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

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

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

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

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

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

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

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

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

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

63.7540(a) You must demonstrate continuous compliance with each emission limit in Tables 1 and 2 or 11 through 13 to this subpart, the work practice standards in Table 3 to this subpart, and the operating limits in Table 4 to this subpart that applies to you according to the methods specified in Table 8 to this subpart and paragraphs (a)(1) through (19) of this section.

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

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

SECTION E. Source Group Restrictions.

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

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

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

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

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

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

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

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

63.7540(a)(10) If your boiler or process heater has a heat input capacity of 10 million Btu per hour or greater, you must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (a)(10)(i) through (vi) of this section. You must conduct the tune-up while burning the type of fuel (or fuels in case of units that routinely burn a mixture) that provided the majority of the heat input to the boiler or process heater over the 12 months prior to the tune-up. This frequency does not apply to limited-use boilers and process heaters, as defined in § 63.7575, or units with continuous oxygen trim systems that maintain an optimum air to fuel ratio.

63.7540(a)(10)(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

63.7540(a)(10)(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

63.7540(a)(10)(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

63.7540(a)(10)(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;

63.7540(a)(10)(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

63.7540(a)(10)(vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

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

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

63.7540(a)(10)(vi)(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

SECTION E. Source Group Restrictions.

63.7540(a)(11) If your boiler or process heater has a heat input capacity of less than 10 million Btu per hour (except as specified in paragraph (a)(12) of this section), you must conduct a biennial tune-up of the boiler or process heater as specified in paragraphs (a)(10)(i) through (vi) of this section to demonstrate continuous compliance.

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

63.7540(a)(13) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

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

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

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

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

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

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

63.7540(b) You must report each instance in which you did not meet each emission limit and operating limit in Tables 1 through 4 or 11 through 13 to this subpart that apply to you. These instances are deviations from the emission limits or operating limits, respectively, in this subpart. These deviations must be reported according to the requirements in § 63.7550.

63.7540(c) [NA – NO EMISSION STANDARDS]

63.7540(d) [NA – NO EMISSION STANDARDS]

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

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

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

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

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

 # 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

63.7545(a) You must submit to the Administrator all of the notifications in § § 63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to you by the dates specified.

63.7545(b) As specified in §63.9(b)(2), if you startup your affected source before January 31, 2013, you must submit an Initial Notification not later than 120 days after January 31, 2013, or no later than 120 days after the source becomes subject to this subpart, whichever is later.

63.7545(c) [NA - UNITS ARE EXISTING]

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

63.7545(e) If you are required to conduct an initial compliance demonstration as specified in § 63.7530, you must submit a Notification of Compliance Status according to § 63.9(h)(2)(ii). For the initial compliance demonstration for each boiler or

SECTION E. Source Group Restrictions.

process heater, you must submit the Notification of Compliance Status, including all performance test results and fuel analyses, before the close of business on the 60th day following the completion of all performance test and/or other initial compliance demonstrations for all boiler or process heaters at the facility according to § 63.10(d)(2). The Notification of Compliance Status report must contain all the information specified in paragraphs (e)(1) through (8) of this section, as applicable. If you are not required to conduct an initial compliance demonstration as specified in § 63.7530(a), the Notification of Compliance Status must only contain the information specified in paragraphs (e)(1) and (8) of this section and must be submitted within 60 days of the compliance date specified at § 63.7495(b).

63.7545(e)(1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under § 241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of § 241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

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

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

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

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

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

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

63.7545(e)(8) In addition to the information required in § 63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

63.7545(e)(8)(i) "This facility completed the required initial tune-up for all of the boilers and process heaters covered by 40 CFR part 63 subpart DDDDD at this site according to the procedures in § 63.7540(a)(10)(i) through (vi)."

63.7545(e)(8)(ii) "This facility has had an energy assessment performed according to § 63.7530(e)."

63.7545(e)(8)(iii) Except for units that burn only natural gas, refinery gas, or other gas 1 fuel, or units that qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act, include the following: "No secondary materials that are solid waste were combusted in any affected unit."

63.7545(f) If you operate a unit designed to burn natural gas, refinery gas, or other gas 1 fuels that is subject to this subpart, and you intend to use a fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart of this part, part 60, 61, or 65, or other gas 1 fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in § 63.7575, you must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in § 63.7575. The notification must include the information specified in paragraphs (f)(1) through (5) of this section.

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

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

63.7545(f)(3) Reason you are unable to use natural gas or equivalent fuel, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.

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

SECTION E. Source Group Restrictions.

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

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

63.7545(h) If you have switched fuels or made a physical change to the boiler or process heater and the fuel switch or physical change resulted in the applicability of a different subcategory, you must provide notice of the date upon which you switched fuels or made the physical change within 30 days of the switch/change. The notification must identify:

63.7545(h)(1) The name of the owner or operator of the affected source, as defined in § 63.7490, the location of the source, the boiler(s) and process heater(s) that have switched fuels, were physically changed, and the date of the notice.

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

63.7545(h)(3) The date upon which the fuel switch or physical change occurred.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013; 80 FR 72814, Nov. 20, 2015; 85 FR 73913, Nov. 19, 2020; 85 FR 84262, Dec. 28, 2020]

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

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

What reports must I submit and when?

63.7550(a) You must submit each report in Table 9 to this subpart that applies to you.

TABLE 9 REQUIREMENTS

As stated in § 63.7550, you must comply with the following requirements for reports:

You must submit a compliance report. The report must contain

a. Information required in § 63.7550(c)(1) through (5); and

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

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

d. [NA – NO EMISSION STANDARDS]

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

END OF TABLE 9 REQUIREMENTS

63.7550(b) Unless the EPA Administrator has approved a different schedule for submission of reports under § 63.10(a), you must submit each report, according to paragraph (h) of this section, by the date in Table 9 to this subpart and according to the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct subsequent annual, biennial, or 5-year tune-up according to § 63.7540(a)(10), (11), or (12), respectively, and not subject to emission limits or Table 4 operating limits, you may submit only an annual, biennial, or 5-year compliance report, as applicable, as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

SECTION E. Source Group Restrictions.

63.7550(b)(1) The first semi-annual compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in § 63.7495 and ending on June 30 or December 31, whichever date is the first date that occurs at least 180 days after the compliance date that is specified for your source in § 63.7495. If submitting an annual, biennial, or 5-year compliance report, the first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in § 63.7495 and ending on December 31 within 1, 2, or 5 years, as applicable, after the compliance date that is specified for your source in § 63.7495.

63.7550(b)(2) The first semi-annual compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in § 63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

63.7550(b)(3) Each subsequent semi-annual compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

63.7550(b)(4) Each subsequent semi-annual compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. Annual, biennial, and 5-year compliance reports must be postmarked or submitted no later than January 31.

63.7550(b)(5) For each affected source that is subject to permitting regulations pursuant to part 70 or part 71 of this chapter, and if the permitting authority has established dates for submitting semiannual reports pursuant to 70.6(a)(3)(iii)(A) or 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established in the permit instead of according to the dates in paragraphs (b)(1) through (4) of this section.

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

63.7550(c)(1) If the facility is subject to the requirements of a tune up you must submit a compliance report with the information in paragraphs (c)(5)(i) through (iii) of this section, (xiv) and (xvii) of this section, and paragraph (c)(5)(iv) of this section for limited-use boiler or process heater.

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

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

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

63.7550(c)(5)

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

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

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

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

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

63.7550(c)(5)(xiv) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to § 63.7540(a)(10), (11), or (12) respectively. Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

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

SECTION E. Source Group Restrictions.

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

63.7550(d) [NA – NO EMISSION STANDARDS]

63.7550(e) [NA – NO EMISSION STANDARDS]

63.7550(f) [Reserved]

63.7550(g) [Reserved]

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

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

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

63.7550(h)(3) You must submit all reports required by Table 9 of this subpart electronically to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX.) You must use the appropriate electronic report in CEDRI for this subpart. Instead of using the electronic report in CEDRI for this subpart, you may submit an alternate electronic file consistent with the XML schema listed on the CEDRI Web site (http://www.epa.gov/ttn/chief/cedri/index.html), once the XML schema is available. If the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate address listed in § 63.13. You must begin submitting reports via CEDRI no later than 90 days after the form becomes available in CEDRI.

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

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

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

What records must I keep?

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

63.7555(a)(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in § 63.10(b)(2)(xiv).

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

63.7555(a)(3) For units in the limited use subcategory, you must keep a copy of the federally enforceable permit that limits the annual capacity factor to less than or equal to 10 percent and fuel use records for the days the boiler or process heater was operating.

63.7555(b) [NA – NO EMISSION STANDARDS]

63.7555(c) [NA – NO EMISSION STANDARDS]

63.7555(d) [NA – NO EMISSION STANDARDS]

63.7555(e) [NA – NO EMISSION STANDARDS]

63.7555(f) [NA – NO EMISSION STANDARDS]

63.7555(g) [NA – NO EMISSION STANDARDS]

SECTION E. Source Group Restrictions.

63.7555(h) If you operate a unit in the unit designed to burn gas 1 subcategory that is subject to this subpart, and you use an alternative fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart under this part, other gas 1 fuel, or gaseous fuel subject to another subpart of this part or part 60, 61, or 65, you must keep records of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies.

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

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

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

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

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

63.7560(b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

63.7560(c) You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1). You can keep the records off site for the remaining 3 years.

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

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

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

What parts of the General Provisions apply to me?

Table 10 to this subpart shows which parts of the General Provisions in § § 63.1 through 63.15 apply to you.

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

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

SECTION E. Source Group Restrictions.

Group Name: GROUP 014

Group Description: §§129.96 - 129.100 - RACT II Presumptive Requirements

Sources included in this group

ID	Name
125A	72" HOT MILL COOLANT TANK HEATER
147A	80" HOT MILL COOLANT TANK HEATER
150	ANNEALING FURNACES 0 - 10
201	EMERGENCY GENERATORS
C01A	NO. 5 HOLDING FURNACE/IN-LINE FLUXER
C01B	NO. 6 HOLDING FURNACE/IN-LINE FLUXER
C01C	NO. 7 HOLDING FURNACE/IN-LINE FLUXER
C01D	NO. 8 HOLDING FURNACE/IN-LINE FLUXER
C01E	NO. 9 HOLDING FURNACE/IN-LINE FLUXER
C01F	NO. 10 HOLDING FURNACE/IN-LINE FLUXER
HP201	60" COIL COATING/ANNEALING LINE
HP201A	60" COIL COATING LINE DETERG, RINSE TANK HEATER
P101	PLATE FURNACE NO. 1
P102	PLATE FURNACE NO. 2
P201	HOLDING FURNACE/SNIF 1
P202	HOLDING FURNACE/SNIF 2
P701	STRESS RELIEF OVENS NO.1 THRU 5

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall install, maintain and operate the sources in accordance with the manufacturer's specifications and

SECTION E. Source Group Restrictions.

with good operating practices pursuant to 25 Pa Code § 129.97(c)(1), (c)(3), (c)(5), and (d). Specifically:

(1) 25 Pa Code §129.97(c)(1): Source IDs C01A, C01B, C01C, C01D, C01E, C01F, P701

(2) 25 Pa Code §129.97(c)(3): Source IDs 125A, 147A, 150, HP201, HP201A, P101, P102, P201, P202

(3) 25 Pa Code §129.97(c)(5): Source ID 201

(b) In accordance with 25 Pa. Code §129.100(i), all records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

Note: Upon approval of the presumptive RACT 3 requirements in Group 017 as a SIP revision, the conditions above shall be superseded by the presumptive RACT 3 requirements in Group 017.

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

SECTION E. Source Group Restrictions.

Group Name: GROUP 015

Group Description: §§129.96 - 129.100 - RACT II Case-by-Case Requirements

Sources included in this group

ID	Name
122	COLD ROLLING MILL - BLISS 2
123	COLD ROLLING MILL - TANDEM
124	COLD ROLLING MILL - LT GAUGE
125	HOT ROLLING MILL - 72"
133	NO. 5 MELTING FURNACE
134	NO. 6 MELTING FURNACE
137	NO. 7 MELTING FURNACE
139	NO. 8 MELTING FURNACE
143	NO. 9 MELTING FURNACE
144	NO. 10 MELTING FURNACE
147	HOT ROLLING MILL - 80"
149B	NO. 10 SLAB FURNACE
149C	NO. 11 SLAB FURNACE
149D	NO. 12 SLAB FURNACE
149E	NO. 13 SLAB FURNACE
149F	NO. 14 SLAB FURNACE
149G	NO. 15 SLAB FURNACE
149H	NO. 16 SLAB FURNACE
149I	NO. 17 SLAB FURNACE
161	72" HUNTER COLD ROLLING MILL

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

SECTION E. Source Group Restrictions.

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Pursuant to 25 Pa Code §129.99(d), the permittee shall:

(1) For Source IDs 133, 134, 137, 139, 143, 144:

(i) Install, maintain and operate the sources in accordance with the manufacturer's specifications and with good operating practices

(ii) Maintain & continue use of Low NOx Burners (LNBs) on 143 & 144

(iii) Inspect the combustion systems/burners – Every 18 to 24 months, unless otherwise approved by DEP in writing

(iv) Inspect the furnace door seals/insulation – Every 18 to 24 months, unless otherwise approved by DEP in writing

(v) Maintain records of the combustion system/burner & furnace door seals/insulation inspections

(2) For Source IDs 149B, 149C, 149D, 149E, 149F, 149G, 149H, 149I:

(i) Install, maintain and operate the sources in accordance with the manufacturer's specifications and with good operating practices

(ii) Maintain & continue use of LNBs

(iii) Inspect the combustion systems/burners – Every 12 to 18 months, unless otherwise approved by DEP in writing

(iv) Inspect the furnace door seals/insulation – Every 12 to 18 months, unless otherwise approved by DEP in writing

(v) Maintain records of the combustion system/burner & furnace door seals/insulation inspections

(3) For Source IDs 122, 123, 124, 161:

(i) Install, maintain and operate the sources in accordance with the manufacturer's specifications and with good operating practices

(ii) The as-applied initial boiling point for the cold rolling mill lubricants shall be a minimum of 400 F.

(iii) Cold rolling mill sump oil temperatures shall be maintained below 155 F. Permanent instrumentation shall be provided to verify compliance with this provision.

(iv) Perform a periodic analysis of coolant package to assess conditions and evaluate excessive degradation or out-of-range specifications for key coolant properties – Weekly

(v) Monitor and record the cold mill sump oil temperature – Hourly

(vi) The permittee shall record the following:

(A) Identification of each lubricant
(B) Pounds of VOC per gallon
(C) Percent VOC per gallon
(D) Percent water per gallon
(E) Gallons per quarter of each lubricant used
(F) The results from the weekly coolant package analysis

(4) For Source IDs 125, 147:

(i) Install, maintain and operate the sources in accordance with the manufacturer's specifications and with good

SECTION E. Source Group Restrictions.

operating practices

(ii) Hot rolling mill emulsion lubricants shall contain at least 90% water by weight.

(iii) The hot rolling mill emulsion lubricants shall be applied at a maximum temperature of 200 °F, as measured at the spray inlet. The company shall provide instrumentation to verify compliance with this provision.

(iv) Perform a periodic analysis to determine the water content of the hot mill emulsion lubricant/coolants – Weekly

(v) Monitor and record the temperature of the lubricants/coolants at the spray inlet – Hourly

(vi) The permittee shall record the following:

(A) Identification of each lubricant
(B) Pounds of VOC per gallon
(C) Percent VOC per gallon
(D) Percent water per gallon
(E) Gallons per quarter of each lubricant used
(F) The water content analysis results of the hot mill lubricant/coolants

(b) In accordance with 25 Pa. Code §129.100(i), all records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

Note: Upon approval of the case-by-case RACT 3 requirements in Group 018 as a SIP revision, the conditions above shall be superseded by the case-by-case RACT 3 requirements in Group 018, except for the requirements for Source IDs 149C & 149I.

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

SECTION E. Source Group Restrictions.

Group Name: GROUP 016

Group Description: 40 CFR 60, Subpart JJJJ Engine(s)

Sources included in this group

ID	Name
201	EMERGENCY GENERATORS

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Regulatory Changes

Individual sources within this source group that are subject to 40 CFR Part 60 Subpart JJJJ shall comply with all applicable requirements of the Subpart. 40 CFR Part 60.4 requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

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

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

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

SECTION E. Source Group Restrictions.

 # 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

Am I subject to this subpart?

60.4230(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) as specified in paragraphs (a)(1) through (5) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator. [4J ONLY APPLIES TO THE THREE 26.8 HP CUMMINS MODEL C20N6 GENERATORS]

60.4230(a)(1) - (3) [NA - NOT AN ENGINE MANUFACTURER]

60.4230(a)(4) Owners and operators of stationary SI ICE that commence construction after June 12, 2006, where the stationary SI ICE are manufactured:

60.4230(a)(4)(i) [NA – UNIT(S) <500 HP]

60.4230(a)(4)(ii) [NA – UNIT(S) <500 HP]

60.4230(a)(4)(iii) On or after July 1, 2008, for engines with a maximum engine power less than 500 HP

60.4230(a)(4)(iv) On or after January 1, 2009, for emergency engines with a maximum engine power greater than 19 KW (25 HP).

60.4230(a)(5) [NA - ENGINE(S) NOT MODIFIED OR RECONSTRUCTED]

60.4230(a)(6) The provisions of § 60.4236 of this subpart are applicable to all owners and operators of stationary SI ICE that commence construction after June 12, 2006.

60.4230(b) [NA - NOT ENGINE TEST CELL/STAND]

60.4230(c) If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable.

60.4230(d) [NA – DOES NOT USE ALCOHOL-BASED FUELS]

60.4230(e) Stationary SI ICE may be eligible for exemption from the requirements of this subpart as described in 40 CFR part 1068, subpart C (or the exemptions described in 40 CFR parts 90 and 1048, for engines that would need to be certified to standards in those parts), except that owners and operators, as well as manufacturers, may be eligible to request an exemption for national security.

60.4230(f) [NA - NOT A TEMPORARY REPLACEMENT UNIT]

[Amended at 76 FR page 37972, June 28, 2011]

 # 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4231]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

stationary SI internal combustion engines or equipment containing such engines?

[NA - NOT AN ENGINE MANUFACTURER]

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4232]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

How long must my engines meet the emission standards if I am amanufacturer of stationary SI internal combustion engines?

[NA - NOT AN ENGINE MANUFACTURER]

SECTION E. Source Group Restrictions.

 # 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?

60.4233(a) [NA - UNITS >25 HP]

60.4233(b) [NA - UNIT DOES NOT BURN GASOLINE]

60.4233(c) [NA – NOT RICH BURN LPG]

60.4233(d) Owners and operators of stationary SI ICE with a maximum engine power greater than 19 KW (25 HP) and less than 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards for field testing in 40 CFR 1048.101(c) for their non-emergency stationary SI ICE and with the emission standards in Table 1 to this subpart for their emergency stationary SI ICE. Owners and operators of stationary SI ICE with a maximum engine power greater than 19 KW (25 HP) and less than 75 KW (100 HP) manufactured prior to January 1, 2011, that were certified to the standards in Table 1 to this subpart applicable to engines with a maximum engine power greater than or equal to 100 HP and less than 500 HP, may optionally choose to meet those standards.

TABLE 1 REQUIREMENTS:

Table 1 to Subpart JJJJ of Part 60—NOX , CO, and VOC Emission Standards for Stationary Non-Emergency SI Engines >=100 HP (Except Gasoline and Rich Burn LPG), Stationary SI Landfill/Digester Gas Engines, and Stationary Emergency Engines >25 HP

Engine type and fuel: Emergency
Maximum engine power: 25 < HP < 130
Manufacture date: 1/1/2009
Emission standards:
NOx (g/HP-hr): 10*
CO (g/HP-hr): 387

* The emission standards applicable to emergency engines between 25 HP and 130 HP are in terms of NOX + HC.

END OF TABLE 1 REQUIREMENTS

60.4233(e) [NA - UNITS < 100 HP]

60.4233(f) [NA - UNITS NOT MODIFIED OR RECONSTRUCTED]

60.4233(g) [NA - STATIONARY WELLHEAD GAS NOT USED]

60.4233(h) Owners and operators of stationary SI ICE that are required to meet standards that reference 40 CFR 1048.101 must, if testing their engines in use, meet the standards in that section applicable to field testing, except as indicated in paragraph (e) of this section.

[Amended at 76 FR page 37973, June 28, 2011]

 # 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?

Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in § 60.4233 over the entire life of the engine.

 # 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4235]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What fuel requirements must I meet if I am an owner or operator of a stationary SI gasoline fired internal combustion engine subject to this subpart?

SECTION E. Source Group Restrictions.

[NA - UNIT DOES NOT BURN GASOLINE]

 # 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4236]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

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

60.4236(a) After July 1, 2010, owners and operators may not install stationary SI ICE with a maximum engine power of less than 500 HP that do not meet the applicable requirements in § 60.4233.

60.4236(b) [NA - UNIT(S) < 500 HP]

60.4236(c) For emergency stationary SI ICE with a maximum engine power of greater than 19 KW (25 HP), owners and operators may not install engines that do not meet the applicable requirements in § 60.4233 after January 1, 2011.

60.4236(d) [NA - IMPORTATION NOT RELEVANT IN THIS CASE]

60.4236(e) The requirements of this section do not apply to owners and operators of stationary SI ICE that have been modified or reconstructed, and they do not apply to engines that were removed from one existing location and reinstalled at a new location.

[Amended at 76 FR page 37974, June 28, 2011]

 # 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4237]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

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

60.4237(a) [NA - EMERGENCY < 500 HP]

60.4237(b) [NA - EMERGENCY < 130 HP]

60.4237(c) If you are an owner or operator of an emergency stationary SI internal combustion engine that is less than 130 HP, was built on or after July 1, 2008, and does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter upon startup of your emergency engine.

 # 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4239]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What are my compliance requirements if I am a manufacturer of stationary SI internal combustion engines >19 KW (25 HP) that use gasoline or a manufacturer of equipment containing such engines?

[NA – NOT AN ENGINE MANUFACTURER]

 # 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4240]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What are my compliance requirements if I am a manufacturer of stationary SI internal combustion engines >19 KW (25 HP) that are rich burn engines that use LPG or a manufacturer of equipment containing such engines?

[NA – NOT AN ENGINE MANUFACTURER]

 # 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4241]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What are my compliance requirements if I am a manufacturer of stationary SI internal combustion engines participating in the voluntary certification program or a manufacturer of equipment containing such engines?

[NA – NOT AN ENGINE MANUFACTURER]

 # 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4242]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What other requirements must I meet if I am a manufacturer of stationary SI internal combustion engines or equipment containing stationary SI internal combustion engines or a manufacturer of equipment containing such engines?

[NA – NOT AN ENGINE MANUFACTURER]

SECTION E. Source Group Restrictions.

 # 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

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

60.4243(a) If you are an owner or operator of a stationary SI internal combustion engine that is manufactured after July 1, 2008, and must comply with the emission standards specified in § 60.4233(a) through (c), you must comply by purchasing an engine certified to the emission standards in § 60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. In addition, you must meet one of the requirements specified in (a)(1) and (2) of this section. [UNIT(S) NOT SUBJECT TO § 60.4233(a) - (c); HOWEVER, (a) IS REFERENCED FROM (b)]

60.4243(a)(1) If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator. You must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to you. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance.

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

60.4243(a)(2)(i) If you are an owner or operator of a stationary SI internal combustion engine less than 100 HP, you must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions, but no performance testing is required if you are an owner or operator.

60.4243(a)(2)(ii) [NA – UNIT(S) < 100 HP]

60.4243(a)(2)(iii) [NA – UNIT(S) < 500 HP]

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

60.4243(b)(1) Purchasing an engine certified according to procedures specified in this subpart, for the same model year and demonstrating compliance according to one of the methods specified in paragraph (a) of this section.

60.4243(b)(2) [NA – UNIT(S) ARE CERTIFIED]

60.4243(c) [NA - UNIT(S) NOT MODIFIED OR RECONSTRUCTED]

60.4243(d) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (d)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (d)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (d)(1) through (3) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

60.4243(d)(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

60.4243(d)(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (d)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (d)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (d)(2).

60.4243(d)(2)(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional

SECTION E. Source Group Restrictions.

transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

60.4243(d)(2)(ii) - (iii) [NA - VACATED AS OF 5/2/16 PER COURT ORDER]

60.4243(d)(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (d)(2) of this section. Except as provided in paragraph (d)(3)(i) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

60.4243(d)(3)(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

60.4243(d)(3)(i)(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;

60.4243(d)(3)(i)(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

60.4243(d)(3)(i)(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

60.4243(d)(3)(i)(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

60.4243(d)(3)(i)(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

60.4243(d)(3)(ii) [Reserved]

60.4243(e) Owners and operators of stationary SI natural gas fired engines may operate their engines using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations, but must keep records of such use. If propane is used for more than 100 hours per year in an engine that is not certified to the emission standards when using propane, the owners and operators are required to conduct a performance test to demonstrate compliance with the emission standards of § 60.4233.

60.4243(f) If you are an owner or operator of a stationary SI internal combustion engine that is less than or equal to 500 HP and you purchase a non-certified engine or you do not operate and maintain your certified stationary SI internal combustion engine and control device according to the manufacturer's written emission-related instructions, you are required to perform initial performance testing as indicated in this section, but you are not required to conduct subsequent performance testing unless the stationary engine is rebuilt or undergoes major repair or maintenance. A rebuilt stationary SI ICE means an engine that has been rebuilt as that term is defined in 40 CFR 94.11(a).

60.4243(g) [NA - CATALYSTS NOT USED]

60.4243(h) [NA – UNIT(S) < 500 HP]

60.4243(i) [NA – NOT MODIFIED OR RECONSTRUCTED]

[Amended at 76 FR page 37974, June 28, 2011; 78 FR page 6697, Jan. 30, 2013]

SECTION E. Source Group Restrictions.

 # 015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4244]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What test methods and other procedures must I use if I am an owner or operator of a stationary SI internal combustion engine?

[NA – TESTING NOT REQUIRED FOR CERTIFIED UNITS WHICH ARE NOT ALTERED PER 60.4243(f)]

 # 016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

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

Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.

60.4245(a) Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.

60.4245(a)(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.

60.4245(a)(2) Maintenance conducted on the engine.

60.4245(a)(3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable.

60.4245(a)(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to § 60.4243(a)(2), documentation that the engine meets the emission standards.

60.4245(b) For all stationary SI emergency ICE greater than or equal to 500 HP manufactured on or after July 1, 2010, that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than or equal to 130 HP and less than 500 HP manufactured on or after July 1, 2011 that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than 25 HP and less than 130 HP manufactured on or after July 1, 2008, that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

60.4245(c) [NA – UNIT(S) < 500 HP]

60.4245(d) [NA – TESTING NOT REQUIRED FOR CERTIFIED UNITS WHICH ARE NOT ALTERED PER 60.4243(f)]

60.4245(e) [NA – UNIT(S) < 100 HP]

[73 FR page 3591, Jan. 18, 2008, as amended at 73 FR page 59177, Oct. 8, 2008; 78 FR page 6697, Jan. 30, 2013; 81 FR page 59809, Aug. 30, 2016]

 # 017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4246]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What parts of the General Provisions apply to me?

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

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

SECTION E. Source Group Restrictions.

Group Name: GROUP 017

Group Description: §§129.111 - 129.115 - RACT III Presumptive Requirements

Sources included in this group

ID	Name
125A	72" HOT MILL COOLANT TANK HEATER
147A	80" HOT MILL COOLANT TANK HEATER
149C	NO. 11 SLAB FURNACE
149I	NO. 17 SLAB FURNACE
150	ANNEALING FURNACES 0 - 10
201	EMERGENCY GENERATORS
C01A	NO. 5 HOLDING FURNACE/IN-LINE FLUXER
C01B	NO. 6 HOLDING FURNACE/IN-LINE FLUXER
C01C	NO. 7 HOLDING FURNACE/IN-LINE FLUXER
C01D	NO. 8 HOLDING FURNACE/IN-LINE FLUXER
C01E	NO. 9 HOLDING FURNACE/IN-LINE FLUXER
C01F	NO. 10 HOLDING FURNACE/IN-LINE FLUXER
HC201	COATING OVENS AFTERBURNER
HC202	REGENERATIVE THERMAL OXIDIZER
HP201	60" COIL COATING/ANNEALING LINE
HP201A	60" COIL COATING LINE DETERG, RINSE TANK HEATER
P101	PLATE FURNACE NO. 1
P102	PLATE FURNACE NO. 2
P201	HOLDING FURNACE/SNIF 1
P202	HOLDING FURNACE/SNIF 2
P701	STRESS RELIEF OVENS NO.1 THRU 5

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

SECTION E. Source Group Restrictions.

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall install, maintain and operate the sources in accordance with the manufacturer's specifications and with good operating practices pursuant to 25 Pa Code § 129.112(c)(1), (c)(4), (c)(8), and (c)(10). Specifically:

(1) 25 Pa Code §129.112(c)(1): Source IDs C01A, C01B, C01C, C01D, C01E, C01F, P701

(2) 25 Pa Code §129.112(c)(4): Source IDs 125A, 147A, 149C, 150, HP201, HP201A, P101, P102, P201, P202

(3) 25 Pa Code §129.112(c)(8): Control ID HC201 & HC202

(4) 25 Pa Code §129.112(c)(10): Source ID 201

(b) Source ID 149I. In accordance with 25 Pa. Code §129.112(k), the owner and operator of a direct-fired heater, furnace, oven or other combustion source with a rated heat input equal to or greater than 20 million Btu/hour subject to §129.111 shall comply with the presumptive RACT emission limitation of 0.10 lb NOx/million Btu heat input.

(c) In accordance with 25 Pa. Code §129.115(b), except as provided in §129.115(d), the owner and operator of an air contamination source subject to a NOx RACT requirement or RACT emission limitation or VOC RACT requirement or RACT emission limitation, or both, listed in §129.112 (relating to presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule) shall demonstrate compliance with the applicable RACT requirement or RACT emission limitation by performing the following monitoring or testing procedures:

(1) This condition constitutes a compliance schedule. Unless otherwise approved by the Department in writing, the permittee shall do the following:

(A) Within 90 days of issuance of this permit modification, submit to DEP for review and approval, a test protocol for NOx testing on Source 149I.
(B) If DEP finds deficiencies in the protocol, the permittee shall provide a response to DEP addressing the deficiencies within 30 days of being notified of the deficiencies.
(C) Within 120 days from the DEP's approval of the test protocol, complete NOx testing on Source ID 149I.

(2) For an air contamination source without a CEMS, monitoring and testing in accordance with a Department-approved emissions source test that meets the requirements of Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The source test shall be conducted one time in each 5-year calendar period.
[PER DEP'S "RESPONSES TO FREQUENTLY ASKED QUESTIONS" TO THE FINAL RULEMAKING, ADDITIONAL RACT REQUIREMENTS FOR MAJOR SOURCES OF NOX AND VOCS, 25 PA. CODE CHAPTERS 121 AND 129, 46 PA. B. 2036 (APRIL 23, 2016) UPDATED 10/20/16, DEP DEFINES THE TERM "5-YEAR CALENDAR PERIOD" AS: "… A FIVE CALENDAR YEAR PERIOD BEGINNING WITH THE CALENDAR YEAR THAT THE LATEST STACK TEST IS PERFORMED. FOR EXAMPLE, IF THE OWNER OR OPERATOR PERFORMS A STACK TEST FOR NOX RACT COMPLIANCE IN 2016, THEN A SUBSEQUENT STACK TEST SHALL BE CONDUCTED BY THE END OF 2021… "]

(d) In accordance with 25 Pa. Code §129.115(f), the owner and operator of an air contamination source subject to this section and § § 129.111—129.114 shall keep records to demonstrate compliance with § § 129.111—129.114 and submit reports to the Department or appropriate approved local air pollution control agency in accordance with the applicable regulations in 25 Pa. Code, Part I, Subpart C, Article III (relating to air resources) and as specified in the operating permit or plan approval for the air contamination source as follows:

(1) The records shall include sufficient data and calculations to demonstrate that the requirements of § § 129.111—129.114 are met.

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

(3) The records necessary to determine compliance shall be reported to the Department or appropriate approved local air pollution control agency on a schedule specified in the applicable regulation or as otherwise specified in the operating permit or plan approval for the air contamination source.

SECTION E. Source Group Restrictions.

(e) In accordance with 25 Pa. Code §129.115(k), all records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

Note: Upon approval of the presumptive RACT 3 requirements in this group as a SIP revision, the conditions in RACT 2 Group 014 shall be superseded by the presumptive RACT 3 requirements of this group.

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

SECTION E. Source Group Restrictions.

Group Name: GROUP 018

Group Description: §§129.111 - 129.115 - RACT III Case-by-Case Requirements

Sources included in this group

ID	Name
122	COLD ROLLING MILL - BLISS 2
123	COLD ROLLING MILL - TANDEM
124	COLD ROLLING MILL - LT GAUGE
125	HOT ROLLING MILL - 72"
133	NO. 5 MELTING FURNACE
134	NO. 6 MELTING FURNACE
137	NO. 7 MELTING FURNACE
139	NO. 8 MELTING FURNACE
143	NO. 9 MELTING FURNACE
144	NO. 10 MELTING FURNACE
147	HOT ROLLING MILL - 80"
149B	NO. 10 SLAB FURNACE
149D	NO. 12 SLAB FURNACE
149E	NO. 13 SLAB FURNACE
149F	NO. 14 SLAB FURNACE
149G	NO. 15 SLAB FURNACE
149H	NO. 16 SLAB FURNACE
161	72" HUNTER COLD ROLLING MILL

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

SECTION E. Source Group Restrictions.

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Pursuant to 25 Pa Code §129.114(d), the permittee shall:

(1) For Source IDs 133, 134, 137, 139:

(i) Install, maintain and operate the sources in accordance with the manufacturer's specifications and with good operating practices

(ii) Maintain & continue use of regenerative Low NOx Burners (LNBs) on 133, 134, 137, & 139

(iii) Inspect the combustion systems/burners – Every 18 to 24 months, unless otherwise approved by DEP in writing

(iv) Inspect the furnace door seals/insulation – Every 18 to 24 months, unless otherwise approved by DEP in writing

(v) Maintain records of the combustion system/burner & furnace door seals/insulation inspections

(2) For Source IDs 143 & 144:

(i) Install, maintain and operate the sources in accordance with the manufacturer's specifications and with good operating practices

(ii) Maintain & continue use of Low NOx Burners (LNBs) on 143 & 144

(iii) Limit the emissions from each furnace to 0.148 lb NOx/mmbtu

(iv) Inspect the combustion systems/burners – Every 18 to 24 months, unless otherwise approved by DEP in writing

(v) Inspect the furnace door seals/insulation – Every 18 to 24 months, unless otherwise approved by DEP in writing

(vi) Maintain records of the combustion system/burner & furnace door seals/insulation inspections

(vii) In accordance with 129.115(b)(6), for an air contamination source without a CEMS, monitoring and testing in accordance with an emissions source test approved by the Department or appropriate approved local air pollution control agency that meets the requirements of Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The initial source test shall be conducted within 180 days of the approval of the alternative RACT proposal. The test shall then be repeated by December 31 of the 5th calendar year from the previous test.

(3) For Source IDs 149B, 149D, 149E, 149F, 149G, 149H:

(i) Install, maintain and operate the sources in accordance with the manufacturer's specifications and with good operating practices

(ii) Maintain & continue use of LNBs

(iii) Inspect the combustion systems/burners – Every 12 to 18 months, unless otherwise approved by DEP in writing

(iv) Inspect the furnace door seals/insulation – Every 12 to 18 months, unless otherwise approved by DEP in writing

(v) Maintain records of the combustion system/burner & furnace door seals/insulation inspections

(4) For Source IDs 122, 123, 124, 161:

(i) Install, maintain and operate the sources in accordance with the manufacturer's specifications and with good operating practices

(ii) The as-applied initial boiling point for the cold rolling mill lubricants shall be a minimum of 400 F.

SECTION E. Source Group Restrictions.

(iii) Cold rolling mill sump oil temperatures shall be maintained below 155 F. Permanent instrumentation shall be provided to verify compliance with this provision.

(iv) Perform a periodic analysis of coolant package to assess conditions and evaluate excessive degradation or out-ofrange specifications for key coolant properties – Weekly

(v) Monitor and record the cold mill sump oil temperature – Hourly

(vi) The permittee shall record the following:

(A) Identification of each lubricant
(B) Pounds of VOC per gallon
(C) Percent VOC per gallon
(D) Percent water per gallon
(E) Gallons per quarter of each lubricant used
(F) The results from the weekly coolant package analysis

(5) For Source IDs 125, 147:

(i) Install, maintain and operate the sources in accordance with the manufacturer's specifications and with good operating practices

(ii) Hot rolling mill emulsion lubricants shall contain at least 90% water by weight.

(iii) The hot rolling mill emulsion lubricants shall be applied at a maximum temperature of 200 °F, as measured at the spray inlet. The company shall provide instrumentation to verify compliance with this provision.

(iv) Perform a periodic analysis to determine the water content of the hot mill emulsion lubricant/coolants – Weekly

(v) Monitor and record the temperature of the lubricants/coolants at the spray inlet – Hourly

(vi) The permittee shall record the following:

(A) Identification of each lubricant
(B) Pounds of VOC per gallon
(C) Percent VOC per gallon
(D) Percent water per gallon
(E) Gallons per quarter of each lubricant used
(F) The water content analysis results of the hot mill lubricant/coolants

(b) In accordance with 25 Pa. Code §129.115(k), all records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

Note: Upon approval of the case-by-case RACT 3 requirements in this group as a SIP revision, the conditions in RACT 2 Group 015 shall be superseded by the case-by-case RACT 3 requirements in this group, except for the requirements for Source IDs 149C & 149I.

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

SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.

SECTION H. Miscellaneous.

#001
This permit supersedes Title V Operating Permit No. 36-05014, issued on 8/10/21 and amended on 8/15/22.

#002
The following sources and activities are not subject to any specific work practice standards, testing, monitoring, recordkeeping or reporting requirements:

1) Air Conditioning and Ventilation Systems
2) Office Equipment (Copier, Printers, FAX, etc.)
3) Janitorial Activites
4) Plant Maintenance Activities (painting, woodworking, welding, paving, cleaning, sandblasting etc.)
5) Mobile Sources (Trucks, forklifts, snowblowers, etc.) & mobile equipment maintenance.
6) Fuel oil, gasoline, mill coolant, rolling oil, waste oil and wastewater, argon, nitrogen & kerosene tanks
7) Mill lubricant tanks, consisting of:
   (a) Tank No. 116: 10,000-gallon Linpar (Cold Mill Rolling Lubricant)
   (b) Tank No. 149: 10,000-gallon Linpar (Cold Mill Rolling Lubricant)
   (c) Tank No. 117: 10,000-gallon Exxsol D60 (Cold Mill Rolling Lubricant)
   (d) Tank No. 121: 10,000-gallon Linpar (Cold Mill Rolling Lubricant)
   (e) Tank No. 122: 10,000-gallon Linpar (Cold Mill Rolling Lubricant)
   (f) Tank No. 147: 17,500-gallon Refined Mineral Oil (Hot Mill Virgin Rolling Oil)
   (g) Tank No. 151: 27,000-gallon Refined Mineral Oil (Hot Mill Virgin Rolling Oil)
   (h) Tank No. 155: 1,850-gallon Norpar 15 (Cold Mill Rolling Lubricant)
   (i) Tank No. 125: 10,000-gallon Linpar (Cold Mill Rolling Lubricant)
   (j) Tank No. 124: 10,000-gallon Linpar (Cold Mill Rolling Lubricant)
   (k) Tank No. 123: 10,000-gallon Linpar (Cold Mill Rolling Lubricant)
8) 6,000- gallon chromium waste tank
9) Electrically heated equipment that does not produce air contaminants
10) Cafeteria Equipment
11) Laundry Operations
12) Laboratory/ analytical sources and activities
13) Brazing Sheet Development R & D Area activites
14) Plant water heaters < BMACT 1.6 mmbtu/hour size
15) Paint Line quench exhaust, strip oven exhaust, wastewater sump vents, conversion coat storage tank, IR exhaust, chromium waste creation, transport and storage.
16) Mill Finishing Slitters, hot and cold mill roll grinding
17) Blanking Presses
18) Small dust/mist collectors: Number 4 slitter, Carpenter Shop Wood Saw, Blanking Core Saw, Cold Mill Roll Grinder, Dross Storage bay/Plate, Hot Mill scalper Cyclone Chip Hopper and Outside
19) Hot and Cold Mill Oil Houses, Chip Collection systems, Flat bed filter (72" Hot Mill), cold mill coolant distillation units
20) Plant cooling tower systems
21) Wastewater treatment systems: Rosenblad/Beckert, Hunter Coater, Paint Line and Wemco
22) Paint Line solvent distillation unit
23) Sheet Cast House and Plate Sow Dryers, <10 mmBtu/hr, direct heat transfer
24) Rosenblad Evaporative Wastewater Treatment unit RTO
25) Propane filling stations
26) Ingot quenching with water
27) Paint ship chromium waste
28) TORIT dust collector outside of Cold Mill

#003
Source ID 201, Emergency Generators, consists of the following equipment:

The following diesel fired generators:
- One (1) 268 hP O'Brian Model 2486-0-815 (80” Hot Mill)
- One (1) 47 hP Cummins Model DGBB (Guard House)
- One (1) 107 hP O'Brian Model 0B80KDW633 (Dross Cooler)
- One (1) 252 hP Patterson Model #10x8x7 #FP-CO67817 (Pump House FS #2)
- One (1) 265 hP Patterson Model #10x8 #FP-CO1016-1 (Pump House FS#3)
- One (1) 112 hP Caterpillar Model OLY0000LNGD00826 (Cold Mill Substation)

SECTION H. Miscellaneous.

The following spark ignition generators:
- One (1) 20.1 hP Onan Model 150JC-3CR319428T (Paint Line)
- One (1) 26.8 hP Cummins Model C20N6 (Blanking) - installed 8/2018*
- One (1) 26.8 hP Cummins Model C20N6 (Hot Mill East) - installed 8/2018*
- One (1) 20.1 hP Cummins Model 15JCB (72” Cold Mill Hunter)
- One (1) 20.1 hP Onan Model 150JC-3CR31/2539AB (Tech Building)
- One (1) 26.8 hP Cummins Model C20N6 (Admin Building) - installed 5/2019*
- One (1) 20.1 hP Onan Model 150JC-3CR31/2539AA (Cast House West)
- One (1) 20.1 hP Onan Model 150JC-3CR131/11917A (Electric Shop)
- One (1) 20.1 hP Onan Model 150JC-R31/2434/AA (Cast House East)
- One (1) 20.1 hP Onan Model 150JC-3CR/2539AA (Hot Mill West)
- One (1) 20.1 hP Onan Model 15JCB (Maintenance Building)
- One (1) 20.1 hP Koehler 1258-001 (Plate 1)
- One (1) 20.1 hP Koehler 1258-002 (Plate 2)

* Engines are subject to 40 CFR 60, Subpart JJJJ

#004
The following modifications/changes where approved by DEP through RFDs:
1. For the installation of magnetic stirrers in Melter #8 - approved 5/31/13
2. For the replacement of the IR sheet dryer burners - approved 11/6/13
3. To move the magnetic stirrer from Melter #8 and install it in Melter #7 - approved 9/16/14
4. To move a solvent application station and associated Torit dust/mist collector from the Plant’s Hunter coil conversion coating line (Misc source under Section H) to the Plant’s 60” Coil Coating Line (Source ID HP201) - approved 2/22/16
5. For the installation of a third sow dryer to the sheet cast house - approved 6/6/2017
6. For the installation of magnetic stirrers in melt furnace Nos.5 & 6 - approved 4/29/2020
7. To upgrade the burner controls on Melt Furnaces No. 9 and 10 which are similar to the existing burner controls on Melt Furnaces No. 5-8 - approved 3/3/2021

#005
This is Revision No.2 of the facility's Title V Operating Permit issued on 8/10/21. This revision incorporates RACT III requirements for the facility.

****** End of Report ******