



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM**

TITLE V/STATE OPERATING PERMIT

Issue Date: September 4, 2013

Effective Date: September 4, 2013

Expiration Date: August 31, 2018

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: 10-00001

Federal Tax Id - Plant Code: 31-1401455-3

Owner Information

Name: AK STEEL CORP
Mailing Address: PO BOX 832
BUTLER, PA 16003-0832

Plant Information

Plant: AK STEEL CORP/BUTLER WORKS
Location: 10 Butler County 10909 Butler Township
SIC Code: 3312 Manufacturing - Blast Furnaces And Steel Mills

Responsible Official

Name: MARK GORDON
Title: GENERAL MGR - OPERATIONS
Phone: (724) 284 - 2685

Permit Contact Person

Name: RUSSELL J DUDEK
Title: ENVIRONMENTAL AFFAIRS MGR
Phone: (724) 284 - 2267

[Signature] _____
JOHN F. GUTH, NORTHWEST REGION AIR PROGRAM MANAGER



SECTION A. Table of Contents

Section A. Facility/Source Identification

Table of Contents
Site Inventory List

Section B. General Title V Requirements

- #001 Definitions
- #002 Property Rights
- #003 Permit Expiration
- #004 Permit Renewal
- #005 Transfer of Ownership or Operational Control
- #006 Inspection and Entry
- #007 Compliance Requirements
- #008 Need to Halt or Reduce Activity Not a Defense
- #009 Duty to Provide Information
- #010 Reopening and Revising the Title V Permit for Cause
- #011 Reopening a Title V Permit for Cause by EPA
- #012 Significant Operating Permit Modifications
- #013 Minor Operating Permit Modifications
- #014 Administrative Operating Permit Amendments
- #015 Severability Clause
- #016 Fee Payment
- #017 Authorization for De Minimis Emission Increases
- #018 Reactivation of Sources
- #019 Circumvention
- #020 Submissions
- #021 Sampling, Testing and Monitoring Procedures
- #022 Recordkeeping Requirements
- #023 Reporting Requirements
- #024 Compliance Certification
- #025 Operational Flexibility
- #026 Risk Management
- #027 Approved Economic Incentives and Emission Trading Programs
- #028 Permit Shield

Section C. Site Level Title V Requirements

- C-I: Restrictions
- C-II: Testing Requirements
- C-III: Monitoring Requirements
- C-IV: Recordkeeping Requirements
- C-V: Reporting Requirements
- C-VI: Work Practice Standards
- C-VII: Additional Requirements
- C-VIII: Compliance Certification
- C-IX: Compliance Schedule

Section D. Source Level Title V Requirements

- D-I: Restrictions
- D-II: Testing Requirements
- D-III: Monitoring Requirements
- D-IV: Recordkeeping Requirements
- D-V: Reporting Requirements
- D-VI: Work Practice Standards
- D-VII: Additional Requirements

Note: These same sub-sections are repeated for each source!



SECTION A. Table of Contents

Section E. Alternative Operating Scenario(s)

- E-I: Restrictions
- E-II: Testing Requirements
- E-III: Monitoring Requirements
- E-IV: Recordkeeping Requirements
- E-V: Reporting Requirements
- E-VI: Work Practice Standards
- E-VII: Additional Requirements

Section F. Emission Restriction Summary

Section G. Miscellaneous

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput		Fuel/Material
034	BOILER 10 (MP)	65.000	MMBTU/HR	
		65.000	MCF/HR	Natural Gas
037A	BOILER 21 (HTP)	11.500	MMBTU/HR	
		11.500	MCF/HR	Natural Gas
039	MAIN PLANT BOILER #22	60.000	MCF/HR	Natural Gas
052	SPACE HEATERS < 2.5 MMBTU			
053	2.5 MMBTU/HR < SPACEHEATERS < 10 MMBTU/HR	20.000	MCF/HR	Natural Gas
130A	PREHEAT FURNACE #6	9.000	MMBTU/HR	
102	ELECTRIC ARC FURNACE 2		N/A	Natural Gas
		75.000	Tons/HR	STEEL
105	SHOT BLAST 4	40.000	Tons/HR	STEEL
106E	SHOT BLAST 12 EAST	70.000	Tons/HR	STEEL
106W	SHOT BLAST 12 WEST	70.000	Tons/HR	STEEL
109	#2 TANDEM COLD MILL	60.000	Tons/HR	STEEL
110	#3 TANDEM COLD MILL	120.000	Tons/HR	STEEL
111	SLAB HEATING FURNACE 5	230.000	MCF/HR	Natural Gas
		70.000	Tons/HR	STEEL
112	SLAB HEATING FURNACE 6	210.000	MCF/HR	Natural Gas
		70.000	Tons/HR	STEEL
113	SLAB HEATING FURNACE 7	210.000	MCF/HR	Natural Gas
		70.000	Tons/HR	STEEL
114	#11 CENTRO SLAB GRINDER	20.000	Tons/HR	STEEL
115	#12 CENTRO SLAB GRINDER	20.000	Tons/HR	STEEL
118	#4 PICKLE LINE	40.000	Tons/HR	STEEL
119	#7 PICKLE LINE	35.000	Tons/HR	STEEL
120	#12 PICKLE LINE	70.000	Tons/HR	STEEL
122	#23 PICKLE LINE	60.000	Tons/HR	STEEL
123E	SHOTBLAST 23 EAST	60.000	Tons/HR	STEEL
123W	SHOTBLAST 23 WEST	60.000	Tons/HR	STEEL
125	#20 CARLITE ACID CLEAN	15.000	Tons/HR	STEEL
127	#26 CARLITE ACID CLEAN	25.000	Tons/HR	STEEL
128	DECARB FURNACE 1	15.000	MCF/HR	Natural Gas
129	SILICON DRYING FURNACE 1	11.000	MCF/HR	Natural Gas
130	DECARB FURNACE 6	13.000	MCF/HR	Natural Gas
131	SILICON DRYING FURNACE 6	9.950	MCF/HR	Natural Gas
132	PREHEAT FURNACE 11	3.200	MCF/HR	Natural Gas
133	SILICON DRYING FURNACE 11	14.000	MCF/HR	Natural Gas
134	PREHEAT FURNACE 19	9.000	MCF/HR	Natural Gas
135	SILICON DRYING FURNACE 19	13.000	MCF/HR	Natural Gas
136	AOD REACTOR		N/A	Natural Gas
		250.000	Tons/HR	STEEL

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput		Fuel/Material
136A	AOD PREHEATER	18.600	MCF/HR	Natural Gas
137	SLAB HEATING FURNACE 8	210.000	MCF/HR	Natural Gas
		70.000	Tons/HR	STEEL
140	#2 CONTINUOUS CASTER	8.000	MCF/HR	Natural Gas
		165.000	Tons/HR	STEEL
141	#3 CONTINUOUS CASTER	8.000	MCF/HR	Natural Gas
		165.000	Tons/HR	STEEL
148	CRNO LINE ANNEAL FURNACE	31.000	MCF/HR	Natural Gas
		31.000	Tons/HR	STEEL
149	ARGON STIRRING STATION (EAST)	137.000	Tons/HR	STEEL
156	ANNEAL FURNACE 4	49.000	MCF/HR	Natural Gas
		40.000	Tons/HR	STEEL
157	ANNEAL FURNACE 7	33.000	MCF/HR	Natural Gas
		35.000	Tons/HR	STEEL
158	ANNEAL FURNACE 12	198.000	MCF/HR	Natural Gas
		70.000	Tons/HR	STEEL
160A	MGO DRYING FURNACE	17.000	MCF/HR	Natural Gas
		31.000	Tons/HR	
161	CARLITE LINE DRY FURNACE 20	9.000	MCF/HR	Natural Gas
		15.000	Tons/HR	STEEL
162	CARLITE LINE DRY FURNACE 26	32.000	MCF/HR	Natural Gas
		25.000	Tons/HR	STEEL
247	LADLE PREHEATER/DRYER #1	10.000	MCF/HR	Natural Gas
248	LADLE PREHEATER/DRYER # 2	10.000	MCF/HR	Natural Gas
249	LADLE PREHEATER/DRYER # 3	10.000	MCF/HR	Natural Gas
250	LADLE PREHEATER/DRYER # 4	10.000	MCF/HR	Natural Gas
251	LADLE PREHEATER/DRYER # 5	12.000	MCF/HR	Natural Gas
252	LADLE PREHEATER/DRYER # 6	10.000	MCF/HR	Natural Gas
255	LADLE PREHEATER/DRYER #8			
301	PARTS WASHERS (NUMEROUS SMALL)			
302	#7 LADLE DRYING STATION	9.900	MCF/HR	Natural Gas
303	MISC. PROCESS HEATERS	81.800	MCF/HR	Natural Gas
304	STANDBY GENERATORS (NATURAL GAS/PROPANE)	15.000	MCF/HR	Natural Gas
		419.000	Gal/HR	Propane
305	STANDBY GENERATORS/PUMPS (DIESEL) <500 HP	100.000	Gal/HR	#2 Oil
305B	STANDBY GENERATOR (DIESEL) >500 HP	50.000	Gal/HR	#2 Oil
307	PAVED & UNPAVED ROADS			
308	HILLTOP SLUDGE BED/MIXED FILL PAD			
309	(2) CHROMIUM REDUCTION TANKS		N/A	PROCESS WATER
310	5000 GALLON U/G GASOLINE STORAGE TANK			
311	SCRAP CUTTING OPERATIONS	99.000	MCF/HR	Natural Gas

**SECTION A. Site Inventory List**

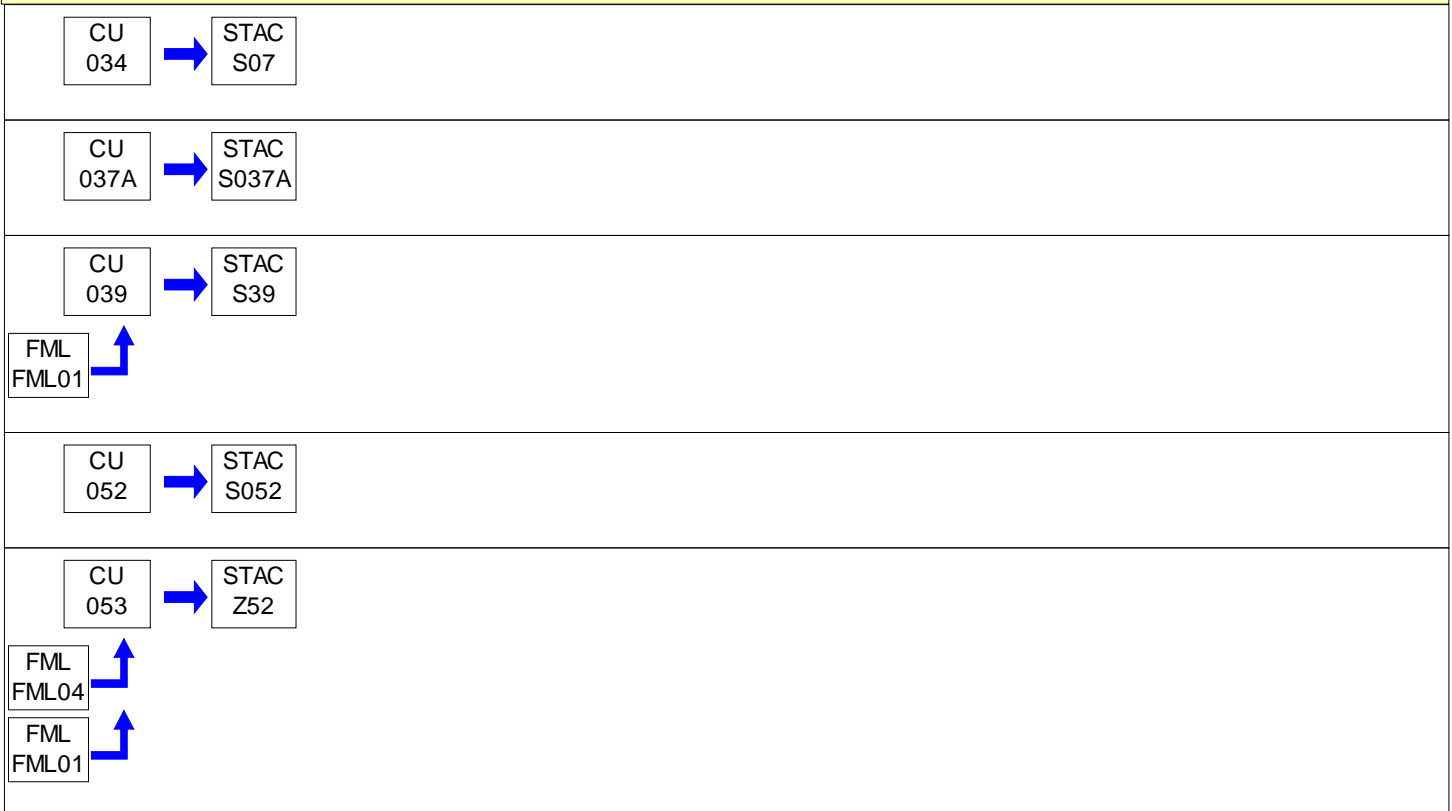
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320	WEST END HOPPER HOUSE TRUCK DUMP STATION	N/A	
325	EXISTING COOLING TOWERS (11)	3,600,000.000 Gal/HR	COOLING WATER
351	STEEL LADLE SLAG SKIMMING STATION	N/A	SLAG
353	ALLOY HANDLING BINS	N/A	
354	SLAG HANDLING	N/A	
C01B	#3 BAGHOUSE		
C06	#4 A&P ACID FUME SCRUBBER		
C07A	#2 TANDEM COLD MILL MIST ELIMINATOR "A"		
C07B	#2 TANDEM COLD MILL MIST ELIMINATOR "B"		
C08	#7 A&P ACID FUME SCRUBBER		
C09	#12 A&P ACID FUME SCRUBBER		
C10A&B	#3 TANDEM COLD MILL MIST ELIMINATORS(2)		
C11	#23 PICKLE LINE SCRUBBER		
C118A	#4 PICKLE LINE SIEVE TRAY SCRUBBER		
C12E	#23E SHOT BLAST DUST COLLECTOR		
C12W	SHOT BLAST 23W DUST COLLECTOR		
C14	#20 CARLITE ACID FUME SCRUBBER		
C16	#26 CARLITE ACID FUME SCRUBBER		
C17	#1 & 2 BAGHOUSE		
C25	#4 SHOT BLAST DUST COLLECTOR		
C26E	#12E SHOT BLAST DUST COLLECTOR		
C26W	SHOT BLAST 12W DUST COLLECTOR		
C27	#11 SLAB GRINDER DUST COLLECTOR		
C28	#12 SLAB GRINDER DUST COLLECTOR		
C309	FUME SCRUBBER - SOURCE 309		
FML01	NATURAL GAS LINE		
FML03	DIESEL FUEL		
FML04	PROPANE		
S01	#3 BAGHOUSE STACK		
S037A	BOILER 21 STACK		
S052	STACKS - SOURCE ID: 052		
S07	BOILER 10 STACK		
S10	#19 PREHEAT FURNACE STACK		
S11	#1 DECARB LINE STACK		
S12	#1 SIL DRY FURN STACK		
S13	#6 DECARB LINE STACK		
S14	#6 SIL DRY FURN STACK		
S15	#11 SIL DRY FURN STACK		
S158	ANNEAL FURNACE 12 - STACK		
S16	#19 SIL DRY FURN STACK		

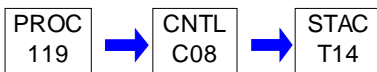
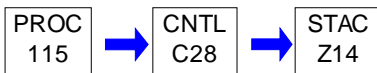
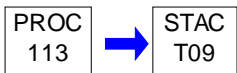
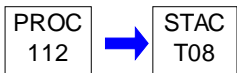
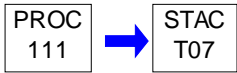
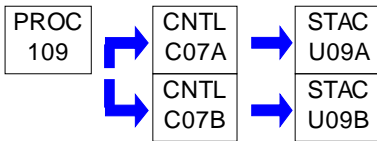
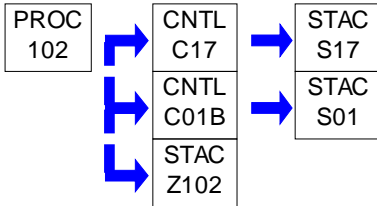
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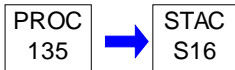
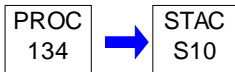
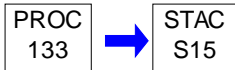
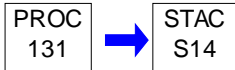
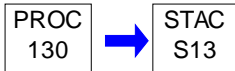
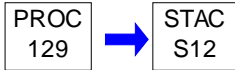
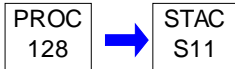
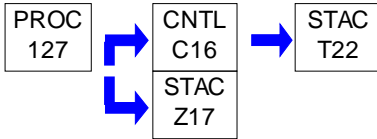
Source ID	Source Name	Capacity/Throughput	Fuel/Material
S17	#1/2 BAGHOUSE STACK		
S18	#7 ANNEAL FURN STACKS		
S21	#20 CARLITE LN FURN STACK		
S22	#26 CARLITE LN FURN STACK		
S23	CRNO LN ANNL FURN STACKS		
S24	MGO DRYING FURNACE STACK		
S25	SHOT BLAST 4 STACK		
S26E	SHOT BLAST 12E STACK		
S26W	SHOT BLAST 12W STACK		
S303	STACKS - SOURCE ID: 303		
S304	STACKS - SOURCE ID: 304		
S305	STACKS - SOURCE ID: 305		
S305B	STACK - SOURCE ID: 305B		
S309	STACK - SOURCE 309		
S37	SLAB REHEAT FURN 8 STACK		
S39	STACK		
S43	#20 CAR AC SCRUBBER STACK		
T07	SLAB REHEAT FURN 5 STACK		
T08	SLAB REHEAT FURN 6 STACK		
T09	SLAB REHEAT FURN 7 STACK		
T12	#4 A&P LN SCRUBBER STACK		
T14	#7 A&P LN SCRUBBER STACK		
T15	#12 A&P LN SCRUBBER STACK		
T17	#23 PIC LN SCRUBBER STACK		
T18E	SHOT BLAST 22E STACK		
T18W	SHOT BLAST 23W STACK		
T22	#26 CARLITE AC SCRUB STCK		
U09A	#2 TAN MILL MST ELM STACK "A"		
U09B	#2 TAN MILL MIST ELM STACK "B"		
U10	#3 TAN MILL MST ELM STACK		
Z01	MELT SHOP ROOF MONITOR		
Z03	#4 ANNEAL FURNACE		
Z102	EAF #2 FUGITIVE EMISSIONS		
Z136	AOD REACTOR-FUGITIVE EMISSIONS		
Z136A	FUGITIVE EMISSIONS-SOURCE 136A		
Z14	#11/12 CENTRO SLAB GRIND		
Z149	FUGITIVE EMISSIONS - SOURCE ID: 149		
Z17	FUGITIVE EMISSIONS		
Z247	FUGITIVE EMISSIONS - SOURCE 247		
Z248	FUGITIVE EMISSIONS - SOURCE 248		
Z249	FUGITIVE EMISSIONS - SOURCE 249		

**SECTION A. Site Inventory List**

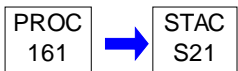
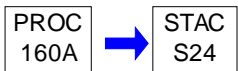
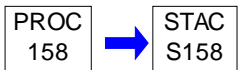
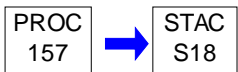
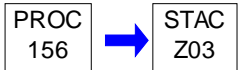
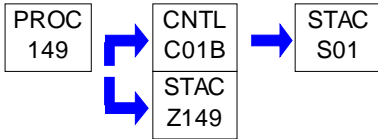
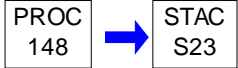
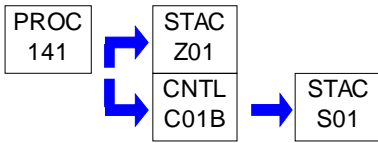
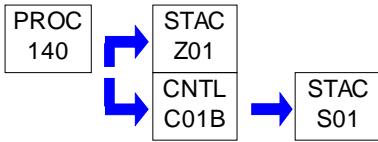
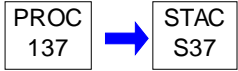
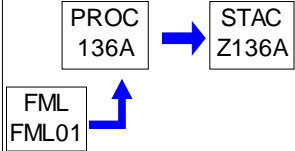
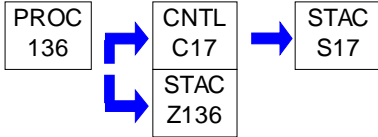
Source ID	Source Name	Capacity/Throughput	Fuel/Material
Z25	SILICON PROC ROOF MONITOR		
Z250	FUGITIVE EMISSIONS - SOURCE 250		
Z251	FUGITIVE EMISSIONS - SOURCE 251		
Z252	FUGITIVE EMISSIONS - SOURCE 252		
Z255	FUGITIVE EMISSIONS-SOURCE 255		
Z301	FUGITIVE EMISSIONS PARTS WASHERS		
Z302	FUGITIVE EMISSIONS - SOURCE 302		
Z307	FUGITIVE EMISSIONS - SOURCE 307		
Z308	FUGITIVE EMISSIONS - SOURCE 308		
Z310	FUGITIVE EMISSIONS - SOURCE 310		
Z311	FUGITIVE EMISSIONS FROM SCRAP CUTTING		
Z320	FUGITIVE FROM WEST END HOPPER HOUSE TRUCK DUMP		
Z325	EXISTING COOLING TOWER EMISSIONS		
Z351	FUGITIVE EMISSIONS - SLAG SKIMMING STATION		
Z353	FUGITIVE EMISSIONS - SOURCE ID: 353		
Z354	FUGITIVE EMISSIONS - SOURCE ID: 354		
Z52	NAT GAS SPACEHEATERS		

PERMIT MAPS

PERMIT MAPS

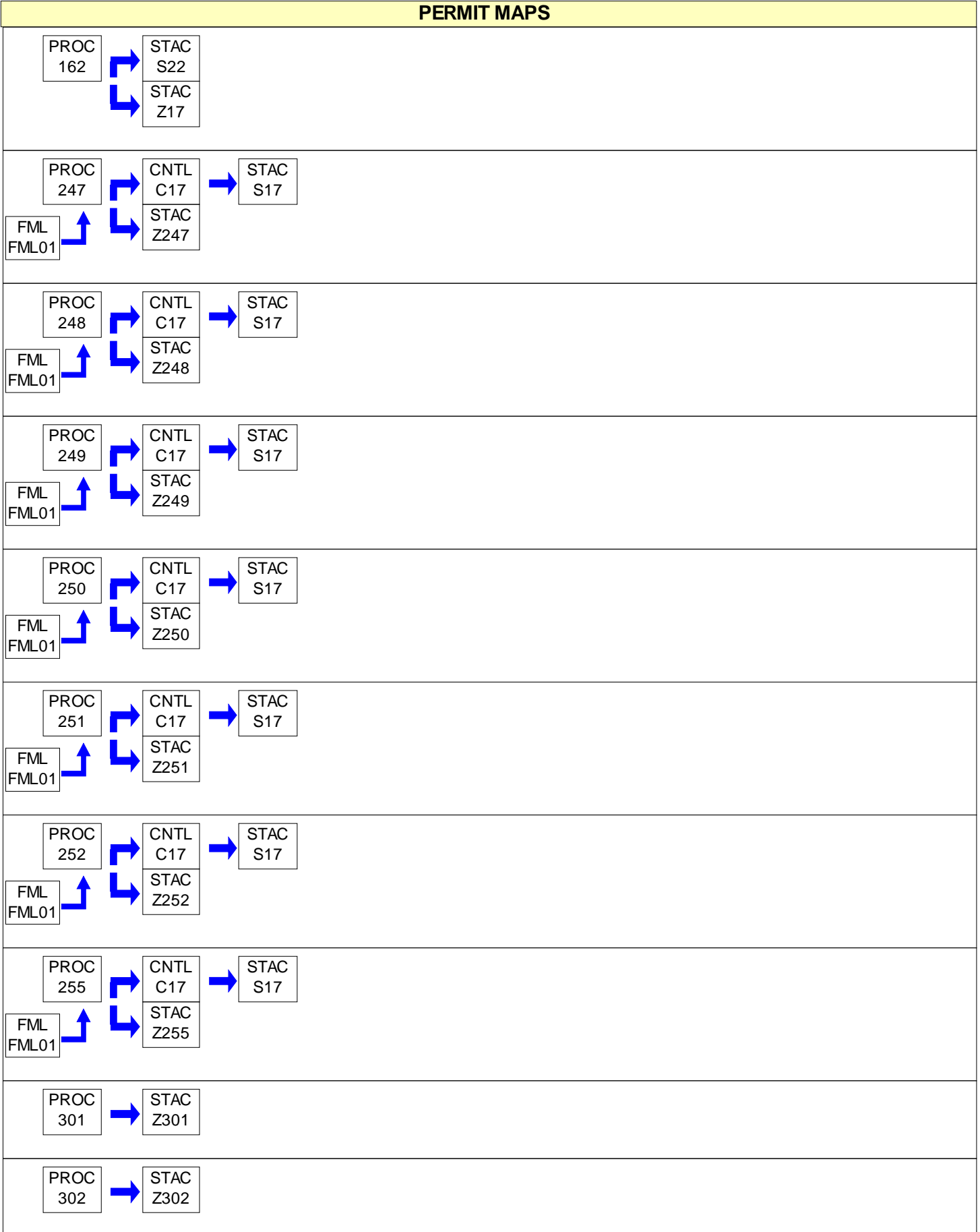
PERMIT MAPS

PERMIT MAPS

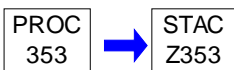
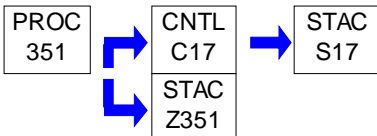
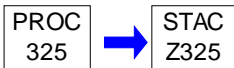
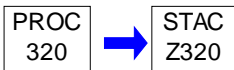
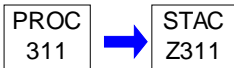
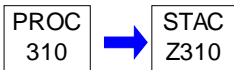
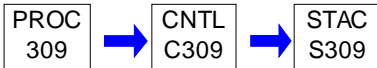
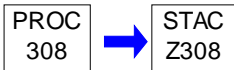
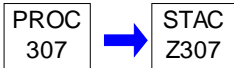
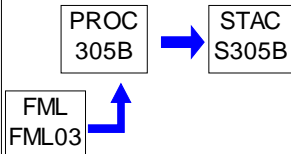
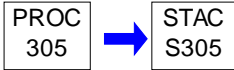
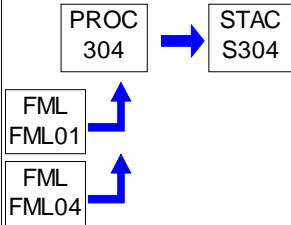
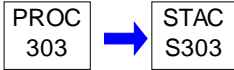




PERMIT MAPS

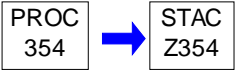


PERMIT MAPS





PERMIT MAPS



**SECTION B. General Title V Requirements****#001 [25 Pa. Code § 121.1]****Definitions**

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

#002 [25 Pa. Code § 127.512(c)(4)]**Property Rights**

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

#003 [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.

#004 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]**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.

(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.

#005 [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 the Department.

**SECTION B. General Title V Requirements**

(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.

#006 [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.

#007 [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.

#008 [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****#009 [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.

#010 [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.

#011 [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.

#012 [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.

**SECTION B. General Title V Requirements****#013 [25 Pa. Code §§ 121.1 & 127.462]****Minor Operating Permit Modifications**

- (a) The permittee may make minor operating permit modifications (as defined in 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.
- (b) 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 an operational flexibility change authorized by 25 Pa. Code § 127.462.

#014 [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), according to procedures specified in § 127.450. Administrative amendments are not authorized for any amendment precluded by the Clean Air Act or the regulations thereunder from being processed as an administrative amendment.
- (b) Upon taking final action granting a request for an administrative permit amendment in accordance with § 127.450(c), the Department will allow coverage under 25 Pa. Code § 127.516 (relating to permit shield) for administrative permit amendments which meet the relevant requirements of 25 Pa. Code Article III, unless precluded by the Clean Air Act or the regulations thereunder.

#015 [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.

#016 [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).
- (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.
- (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 administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.
- (f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

SECTION B. General Title V Requirements**#017 [25 Pa. Code §§ 127.14(b) & 127.449]****Authorization for De Minimis Emission Increases**

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

- (1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.
- (2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

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

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

- (1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.
- (2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.
- (3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.
- (4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.
- (5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

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

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
- (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
- (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

**SECTION B. General Title V Requirements**

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) applies to de minimis emission increases and the installation of minor sources made pursuant to this permit condition.

(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.

#018 [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).

#019 [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 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.

SECTION B. General Title V Requirements**#020 [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:

Office of Air Enforcement and Compliance Assistance (3AP20)
United States Environmental Protection Agency
Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

(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.

#021 [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.

#022 [25 Pa. Code §§ 127.511 & Chapter 135]**Recordkeeping Requirements**

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

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

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

**SECTION B. General Title V Requirements**

(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.

#023 [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 #020(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.

#024 [25 Pa. Code § 127.513]**Compliance Certification**

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

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

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #020 of this section.

#025 [25 Pa. Code § 127.3]**Operational Flexibility**

(a) 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:

**SECTION B. General Title V Requirements**

- (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)

(b) Unless precluded by the Clean Air Act or the regulations adopted thereunder, the permit shield authorized under 25 Pa. Code § 127.516 shall extend to operational flexibility changes made at this Title V facility pursuant to this permit condition and other applicable operational flexibility terms and conditions of this permit.

#026 [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.

(e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation

SECTION B. General Title V Requirements

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 Condition #24 of Section B of this Title V 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).

#027 [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.

#028 [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 on minor or significant permit modifications, and operational flexibility changes shall be covered by the permit shield. Upon taking final action granting a request for an administrative permit amendment, the Department will allow coverage of the amendment by the permit shield in § 127.516 for administrative amendments which meet the relevant requirements of 25 Pa. Code Article III.

(d) The permit shield authorized under § 127.516 is in effect for the permit terms and conditions in this Title V permit, including administrative operating permit amendments and minor operating permit modifications.

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §121.7]****Prohibition of air pollution.**

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

002 [25 Pa. Code §123.1]**Prohibition of certain fugitive emissions**

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

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) Sources and classes of sources other than those identified 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:
 - (i) the emissions are of minor significance with respect to causing air pollution; and
 - (ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

003 [25 Pa. Code §123.2]**Fugitive particulate matter**

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Condition #001, above, if such emissions are visible at the point the emissions pass outside the person's property.

004 [25 Pa. Code §123.31]**Limitations**

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

005 [25 Pa. Code §123.41]**Limitations**

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

- (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.

006 [25 Pa. Code §123.42]**Exceptions**

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

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

**SECTION C. Site Level Requirements**

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

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

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

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

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

Visible emissions may be measured using either of the following:

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

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

IV. RECORDKEEPING REQUIREMENTS.**# 009 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain records of deviations of Conditions #001, #002, #003 & #004, above, and the corrective action taken.

010 [25 Pa. Code §135.5]**Recordkeeping**

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 25 PA Code 135.3 and 135.21 (relating to reporting; and emission statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed informed by indirect means.

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

The permittee shall notify the Department, within seven (7) days, of deviations of Conditions #001, #002, #003 & #004, above, and the corrective action taken.

012 [25 Pa. Code §135.21]**Emission statements**

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

b) Annual emission statements are due by March 1 for the preceding calendar year beginning with March 1, 1993, for calendar year 1992 and shall provide data consistent with requirements and guidance developed by the EPA. The

SECTION C. Site Level Requirements

guidance document is available from: United States Environmental Protection Agency, 401 M. Street, S.W., Washington, D.C. 20460. The Department may require more frequent submittals if the Department determines that one or more of the following applies:

- (1) A more frequent submission is required by the EPA.
- (2) Analysis of the data on a more frequent basis is necessary to implement the requirements of the act.

013 [25 Pa. Code §135.3]**Reporting**

a) The permittee shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the proceeding calendar year and sources modified during the same period which were not previously reported.

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

014 [25 Pa. Code §135.4]**Report format**

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

VI. WORK PRACTICE REQUIREMENTS.**# 015 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified in Condition #001, above, shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (2) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (3) Paving and maintenance of roadways.
- (4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

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

a) The permittee, or authorized representative, shall conduct inspections of the area inside the plant boundaries to detect the presence of fugitive emissions or visible emissions weekly or at any time a complaint is received. If visible stack emissions are detected during an inspection, opacity readings shall be taken and recorded in accordance with Method 9. If any visible fugitive particulate matter is detected, a determination will be made as to whether these emissions are visible beyond the plant property. A record of any complaints and inspections and follow-up activities shall be maintained at the site and made available to the Department upon request.

b) The appropriate person shall be notified if there are any deviations from Conditions #001, #002, #003 & #004, above, and corrective actions shall be initiated to remedy the situation. The date and the nature of these corrective actions shall be recorded in a maintenance record.

VII. ADDITIONAL REQUIREMENTS.**# 017 [25 Pa. Code §129.14]****Open burning operations**

No person may permit the open burning of material in a manner that:

**SECTION C. Site Level Requirements**

(1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.

(2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.

(3) The emissions interfere with the reasonable enjoyment of life or property.

(4) The emissions cause damage to vegetation or property.

(5) The emissions are or may be deleterious to human or animal health.

Exceptions: The requirements above do not apply where the open burning operations result from:

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

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

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

(4) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.

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

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

(7) A fire set solely for cooking food.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7480]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What is the purpose of this subpart?**

This subpart establishes national emission limitations and work practice standards for hazardous air pollutants (HAP) emitted from industrial, commercial, and institutional boilers and process heaters located at major sources of HAP. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and work practice standards.

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for 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.

[78 FR 7162, Jan. 31, 2013]

020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7490]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What is the affected source of this subpart?**

(a) This subpart applies to new, reconstructed, and existing affected sources as described in paragraphs (a)(1) and (2) of this section.

**SECTION C. Site Level Requirements**

- (1) The affected source of this subpart is the collection at a major source of all existing industrial, commercial, and institutional boilers and process heaters within a subcategory as defined in § 63.7575.
- (2) The affected source of this subpart is each new or reconstructed industrial, commercial, or institutional boiler or process heater, as defined in § 63.7575, located at a major source.
- (b) A boiler or process heater is new if you commence construction of the boiler or process heater after June 4, 2010, and you meet the applicability criteria at the time you commence construction.
- (c) A boiler or process heater is reconstructed if you meet the reconstruction criteria as defined in § 63.2, you commence reconstruction after June 4, 2010, and you meet the applicability criteria at the time you commence reconstruction.
- (d) A boiler or process heater is existing if it is not new or reconstructed.
- (e) An existing electric utility steam generating unit (EGU) that meets the applicability requirements of this subpart after the effective date of this final rule due to a change (e.g., fuel switch) is considered to be an existing source under this subpart.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7162, Jan. 31, 2013]

021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7491]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for 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.

- (a) An electric utility steam generating unit (EGU) covered by subpart UUUUU of this part.
- (b) A recovery boiler or furnace covered by subpart MM of this part.
- (c) A boiler or process heater that is used specifically for research and development, including test steam boilers used to provide steam for testing the propulsion systems on military vessels. This does not include units that provide heat or steam to a process at a research and development facility.
- (d) A hot water heater as defined in this subpart.
- (e) A refining kettle covered by subpart X of this part.
- (f) An ethylene cracking furnace covered by subpart YY of this part.
- (g) Blast furnace stoves as described in EPA-453/R-01-005 (incorporated by reference, see § 63.14).
- (h) Any boiler or process heater that is part of the affected source subject to another subpart of this part, such as boilers and process heaters used as control devices to comply with subparts JJJ, OOO, PPP, and U of this part.
- (i) Any boiler or process heater that is used as a control device to comply with another subpart of this part, or part 60, part 61, or part 65 of this chapter provided that at least 50 percent of the average annual heat input during any 3 consecutive calendar years to the boiler or process heater is provided by regulated gas streams that are subject to another standard.
- (j) Temporary boilers as defined in this subpart.
- (k) Blast furnace gas fuel-fired boilers and process heaters as defined in this subpart.
- (l) Any boiler specifically listed as an affected source in any standard(s) established under section 129 of the Clean Air Act.
- (m) A unit that burns hazardous waste covered by Subpart EEE of this part. A unit that is exempt from Subpart EEE as specified in § 63.1200(b) is not covered by Subpart EEE.

**SECTION C. Site Level Requirements**

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7162, Jan. 31, 2013]

Editorial Note: At 78 FR 7162, Jan. 31, 2013, § 63.7491 was amended by revising paragraph (n). However, there is no paragraph (n) to revise.

022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]

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

When do I have to comply with this subpart?

(a) If you have a new or reconstructed boiler or process heater, you must comply with this subpart by January 31, 2013, or upon startup of your boiler or process heater, whichever is later.

(b) If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in § 63.6(i).

(c) If you have an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP, paragraphs (c)(1) and (2) of this section apply to you.

(1) Any new or reconstructed boiler or process heater at the existing source must be in compliance with this subpart upon startup.

(2) Any existing boiler or process heater at the existing source must be in compliance with this subpart within 3 years after the source becomes a major source.

(d) You must meet the notification requirements in § 63.7545 according to the schedule in § 63.7545 and in subpart A of this part. Some of the notifications must be submitted before you are required to comply with the emission limits and work practice standards in this subpart.

(e) If you own or operate an industrial, commercial, or institutional boiler or process heater and would be subject to this subpart except for the exemption in § 63.7491(l) for commercial and industrial solid waste incineration units covered by part 60, subpart CCCC or subpart DDDD, and you cease combusting solid waste, you must be in compliance with this subpart on the effective date of the switch from waste to fuel.

(f) If you own or operate an existing EGU that becomes subject to this subpart after January 31, 2013, you must be in compliance with the applicable existing source provisions of this subpart on the effective date such unit becomes subject to this subpart.

(g) If you own or operate an existing industrial, commercial, or institutional boiler or process heater and would be subject to this subpart except for a exemption in § 63.7491(i) that becomes subject to this subpart after January 31, 2013, you must be in compliance with the applicable existing source provisions of this subpart within 3 years after such unit becomes subject to this subpart.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7162, Jan. 31, 2013]

Editorial Note: At 78 FR 7162, Jan. 31, 2013, § 63.7495 was amended by adding paragraph (e). However, there is already a paragraph (e).

023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7499]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for 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:

(a) Pulverized coal/solid fossil fuel units.

(b) Stokers designed to burn coal/solid fossil fuel.

SECTION C. Site Level Requirements

- (c) Fluidized bed units designed to burn coal/solid fossil fuel.
- (d) Stokers/sloped grate/other units designed to burn kiln dried biomass/bio-based solid.
- (e) Fluidized bed units designed to burn biomass/bio-based solid.
- (f) Suspension burners designed to burn biomass/bio-based solid.
- (g) Fuel cells designed to burn biomass/bio-based solid.
- (h) Hybrid suspension/grate burners designed to burn wet biomass/bio-based solid.
- (i) Stokers/sloped grate/other units designed to burn wet biomass/bio-based solid.
- (j) Dutch ovens/pile burners designed to burn biomass/bio-based solid.
- (k) Units designed to burn liquid fuel that are non-continental units.
- (l) Units designed to burn gas 1 fuels.
- (m) Units designed to burn gas 2 (other) gases.
- (n) Metal process furnaces.
- (o) Limited-use boilers and process heaters.
- (p) Units designed to burn solid fuel.
- (q) Units designed to burn liquid fuel.
- (r) Units designed to burn coal/solid fossil fuel.
- (s) Fluidized bed units with an integrated fluidized bed heat exchanger designed to burn coal/solid fossil fuel.
- (t) Units designed to burn heavy liquid fuel.
- (u) Units designed to burn light liquid fuel.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013]

**# 024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7565]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.**

What parts of the General Provisions apply to me?

[Please refer to Subpart DDDDD for Table 10 - Applicability of General Provisions.]

**# 025 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7570]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.**

Who implements and enforces this subpart?

(a) This subpart can be implemented and enforced by the EPA, or an Administrator such as your state, local, or tribal agency. If the EPA Administrator has delegated authority to your state, local, or tribal agency, then that agency (as well as the EPA) has the authority to implement and enforce this subpart. You should contact your EPA Regional Office to find out if this subpart is delegated to your state, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a state, local, or tribal agency under 40 CFR

SECTION C. Site Level Requirements

part 63, subpart E, the authorities listed in paragraphs (b)(1) through (5) of this section are retained by the EPA Administrator and are not transferred to the state, local, or tribal agency, however, the EPA retains oversight of this subpart and can take enforcement actions, as appropriate.

(1) Approval of alternatives to the non-opacity emission limits and work practice standards in § 63.7500(a) and (b) under § 63.6(g).

(2) Approval of alternative opacity emission limits in § 63.7500(a) under § 63.6(h)(9).

(3) Approval of major change to test methods in Table 5 to this subpart under § 63.7(e)(2)(ii) and (f) and as defined in § 63.90, and alternative analytical methods requested under § 63.7521(b)(2).

(4) Approval of major change to monitoring under § 63.8(f) and as defined in § 63.90, and approval of alternative operating parameters under § 63.7500(a)(2) and § 63.7522(g)(2).

(5) Approval of major change to recordkeeping and reporting under § 63.10(e) and as defined in § 63.90.

[76 FR 15664, Mar. 21, 2011 as amended at 78 FR 7186, Jan. 31, 2013]

026 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7575]

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

What definitions apply to this subpart?

[Please refer to Subpart DDDDD for - Applicable Definitions.]

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 12/31/2013 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #24 of section B of this permit, and annually thereafter.

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

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

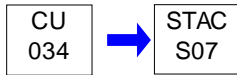
SECTION D. Source Level Requirements

Source ID: 034

Source Name: BOILER 10 (MP)

Source Capacity/Throughput: 65.000 MMBTU/HR

65.000 MCF/HR Natural Gas

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

A person may not permit the emission into the outdoor atmosphere of particulate matter in excess of 0.35 pound per million Btu of heat input as determined by the following formula:

$$A = 3.6E^{(-0.56)}$$

where

A = Allowable emissions in pounds per million BTUs of heat input,

E = Heat input to the combustion unit in millions of BTUs per hour,
when E is equal to or greater than 50 but less than 600.

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

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

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provisions in: SIP Approved SO₂ Limits 40 CFR 52.2020(c)(1)]

Fuel Restriction(s).**# 003 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

This source shall burn only natural gas to ensure compliance with Conditions #001 & #002, above.

Throughput Restriction(s).**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.92.

The permittee shall limit fuel consumption to 300,000 mcf/yr based on a consecutive 12-month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall record each adjustment conducted in a permanent record keeping system. These records shall contain, at a minimum, the following:

1. The date of the tuning procedure
2. The name of the service company and technicians
3. The final operating rate or load
4. The final CO and NOx emission rates
5. The final excess oxygen rate

006 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain monthly records of the boiler's fuel consumption.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What records must I keep?**

(a) You must keep records according to paragraphs (a)(1) and (2) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in § 63.10(b)(2)(xiv).

(2) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in § 63.10(b)(2)(viii).

(b) - (h) [Do not apply]

(i) You must maintain records of the calendar date, time, occurrence and duration of each startup and shutdown.

(j) You must maintain records of the type(s) and amount(s) of fuels used during each startup and shutdown.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7185, Jan. 31, 2013]

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****In what form and how long must I keep my records?**

(a) Your records must be in a form suitable and readily available for expeditious review, according to § 63.10(b)(1).

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

(c) You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1). You can keep the records off site for the remaining 3 years.

V. REPORTING REQUIREMENTS.**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.**

**SECTION D. Source Level Requirements****How do I demonstrate initial compliance with the emission limits and work practice standards?**

(a) - (c) [Do not apply]

(d) If you own or operate an existing unit with a heat input capacity of less than 10 million Btu per hour or a unit in the unit designed to burn gas 1 subcategory, you must submit a signed statement in the Notification of Compliance Status report that indicates that you conducted a tune-up of the unit.

(e) You must include with the Notification of Compliance Status a signed certification that the energy assessment was completed according to Table 3 to this subpart and is an accurate depiction of your facility at the time of the assessment.

(f) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in § 63.7545(e).

(g) - (i) [Do not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7174, Jan. 31, 2013]

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What notifications must I submit and when?**

(a) You must submit to the Administrator all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to you by the dates specified.

(b) - (d) [Do not apply]

(e) If you are required to conduct an initial compliance demonstration as specified in § 63.7530, you must submit a Notification of Compliance Status according to § 63.9(h)(2)(ii). For the initial compliance demonstration for each boiler or process heater, you must submit the Notification of Compliance Status, before the close of business on the 60th day following the completion of all 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), 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).

(1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under § 241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of § 241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

(2) - (5) [Do not apply]

(6) A signed certification that you have met all applicable emission limits and work practice standards.

(7) If you had a deviation from any emission limit, work practice standard, or operating limit, you must also submit a description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report.

(8) In addition to the information required in § 63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

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

(ii) "This facility has had an energy assessment performed according to § 63.7530(e)."

**SECTION D. Source Level Requirements**

(iii) Except for units that burn only natural gas, refinery gas, or other gas 1 fuel, or units that qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act, include the following: "No secondary materials that are solid waste were combusted in any affected unit."

(f) - (h) [Do not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013]

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

(a) You must submit each report in Table 9 to this subpart that applies to you.

[From Table 9 of Subpart DDDDD]

You must submit a Compliance Report annually as part of the Title V compliance reporting program.

The report must contain:

a. Information required in § 63.7550(c)(1) through (5); and

b. If there are no deviations from the requirements for work practice standards in Table 3 to this subpart that apply to you, a statement that there were no deviations from the work practice standards during the reporting period.

c. & d. [Do not apply]

(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 the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct an annual, biennial, or 5-year tune-up according to § 63.7540(a)(10), and not subject to emission limits or operating limits, you may submit only an annual compliance report, as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

(1) 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 July 31 or January 31, whichever date is the first date that occurs at least 180 days (or 1, 2, or 5 years, as applicable, if submitting an annual, biennial, or 5-year compliance report) after the compliance date that is specified for your source in § 63.7495.

(2) The first compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in § 63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Each subsequent 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.

(c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

(1) If the facility is subject to a the requirements of a tune up they must submit a compliance report with the information in paragraphs (c)(5)(i) through (iv) and (xiv) of this section.

**SECTION D. Source Level Requirements**

(2) - (4) [Do not apply]

(5)(i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

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

(iv) The total operating time during the reporting period.

(v) - (xii) [Do not apply]

(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.

(xv) - (xvii) [Do not apply]

(d) - (e) [Do not apply]

(f) - (g) [Reserved]

(h) [Does not apply]

[78 FR 7183, Jan. 31, 2013]

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.9]**Subpart A--General Provisions****Notification requirements.**

(a) [Does not apply]

(b) Initial notifications.

(1) (i) The requirements of this paragraph apply to the owner or operator of an affected source when such source becomes subject to a relevant standard.

(ii) [Does not apply]

(iii) Affected sources that are required under this paragraph to submit an initial notification may use the application for approval of construction or reconstruction under Sec. 63.5(d) of this subpart, if relevant, to fulfill the initial notification requirements of this paragraph.

(2) The owner or operator of an affected source that has an initial startup before the effective date of a relevant standard under this part shall notify the Administrator in writing that the source is subject to the relevant standard. The notification, which shall be submitted not later than 120 calendar days after the effective date of the relevant standard (or within 120 calendar days after the source becomes subject to the relevant standard), shall provide the following information:

(i) The name and address of the owner or operator;

(ii) The address (i.e., physical location) of the affected source;

(iii) An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date;

(iv) A brief description of the nature, size, design, and method of operation of the source and an identification of the types

**SECTION D. Source Level Requirements**

of emission points within the affected source subject to the relevant standard and types of hazardous air pollutants emitted; and

(v) A statement of whether the affected source is a major source or an area source.

(3) [Reserved]

(4) - (5) [Do not apply]

(c) Request for extension of compliance. If the owner or operator of an affected source cannot comply with a relevant standard by the applicable compliance date for that source, or if the owner or operator has installed BACT or technology to meet LAER consistent with Sec. 63.6(i)(5) of this subpart, he/she may submit to the Administrator (or the State with an approved permit program) a request for an extension of compliance as specified in Sec. 63.6(i)(4) through Sec. 63.6(i)(6).

(d) - (g) [Do not apply]

(h) Notification of compliance status.

(1) The requirements of paragraphs (h)(2) through (h)(4) of this section apply when an affected source becomes subject to a relevant standard.

(2) [Does not apply]

(3) After a title V permit has been issued to the owner or operator of an affected source, the owner or operator of such source shall comply with all requirements for compliance status reports contained in the source's title V permit, including reports required under this part. After a title V permit has been issued to the owner or operator of an affected source, and each time a notification of compliance status is required under this part, the owner or operator of such source shall submit the notification of compliance status to the appropriate permitting authority following completion of the relevant compliance demonstration activity specified in the relevant standard.

(4) [Reserved]

(5) [Does not apply]

(6) Advice on a notification of compliance status may be obtained from the Administrator.

(i) - (j) [Do not apply]

[59 FR 12430, Mar. 16, 1994, as amended at 64 FR 7468, Feb. 12, 1999; 67 FR 16604, Apr. 5, 2002; 68 FR 32601, May 30, 2003]

VI. WORK PRACTICE REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall perform annual burner maintenance, adjusting and testing. This adjustment shall include, at a minimum, the following:

1. Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
2. Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable minimize emissions of CO.

**SECTION D. Source Level Requirements**

3. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

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

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What emission limits, work practice standards, and operating limits must I meet?**

(a) You must meet the requirements in paragraphs (a)(1) through (3) of this section, except as provided in paragraphs (b), through (e) of this section. You must meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of this section.

(1) You must meet each work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under § 63.7522.

(2) [Does not apply]

(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.

[From Table 3 of Subpart DDDDD]

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 conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions under this subpart.

If your unit is an existing boiler or process heater located at a major source facility you 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.

**SECTION D. Source Level Requirements**

- 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.

 (b) As provided in § 63.6(g), EPA may approve use of an alternative to the work practice standards in this section.

(c) - (d) [Do not apply]

(e) Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, or the operating limits in Table 4 to this subpart.

(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 Table 3 to this subpart.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013]

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7505]

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

What are my general requirements for complying with this subpart?

(a) You must be in compliance with the work practice standards in this subpart. These limits apply to you at all times the affected unit is operating except for the periods noted in § 63.7500(f).

(b) [Reserved]

(c) - (d) [Do not apply]

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]

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

What are my initial compliance requirements and by what date must I conduct them?

(a) - (d) [Do not apply]

(e) For existing affected sources (as defined in § 63.7490), you must complete the initial compliance demonstration, 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, except as specified in paragraph (j) of this section.

(f) - (i) [Do not apply]

(j) For existing affected sources (as defined in § 63.7490) that have not operated between the effective date of the rule and the compliance date that is specified for your source in § 63.7495, you must complete the initial compliance demonstration, if subject to the emission limits in Table 2 to this subpart, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the re-start of the affected source and according to the applicable provisions in § 63.7(a)(2) as cited in Table 10 to this subpart. You must complete an initial tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) no later than 30 days after the re-start of the affected source and, if applicable, complete the one-time energy assessment specified in Table 3 to this subpart, no later than the compliance date specified in § 63.7495.

[78 FR 7164, Jan. 31, 2013]

**SECTION D. Source Level Requirements****# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****When must I conduct subsequent performance tests or fuel analyses?**

(a) - (c) [Do not apply]

(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual performance tune-up according to § 63.7540(a)(10). Each annual tune-up specified in § 63.7540(a)(10) must be no more than 13 months after the previous tune-up.

(e) - (f) [Do not apply]

(g) You must complete a subsequent tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) and the schedule described in § 63.7540(a)(13) for units that are not operating at the time of their scheduled tune-up.

(h) - (i) [Do not apply]

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****How do I demonstrate continuous compliance with the emission limits and work practice standards?**

(a) You must demonstrate continuous compliance with the work practice standards in Table 3 to this subpart according to the methods specified in paragraphs (a)(1) through (19) of this section.

(1) - (9) [Do not apply]

(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.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

SECTION D. Source Level Requirements

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

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

(11) - (12) [Do not apply]

(13) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

(14) - (19) [Do not apply]

(b) - (d) [Do not apply]

[78 FR 7179, Jan. 31, 2013]

VII. ADDITIONAL REQUIREMENTS.

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

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

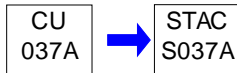
**SECTION D. Source Level Requirements**

Source ID: 037A

Source Name: BOILER 21 (HTP)

Source Capacity/Throughput: 11.500 MMBTU/HR

11.500 MCF/HR Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

As a condition of this Small Combustion Unit General Permit, the permittee shall construct qualifying small gas fired combustion units capable of reducing nitrogen oxide (NOx) and carbon monoxide (CO) emissions to or below:

- a. 30 ppm_{dv} NO_x at 3% O₂ when firing gas;
- b. 400 ppm_{dv} CO at 3% O₂.

[From GP-1, Condition #18]

Fuel Restriction(s).**# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

This combustion unit shall be fired only on natural gas.

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

The permittee shall, upon the request of the Department, provide fuel analyses, or fuel samples of the fuel used in any combustion unit permitted under this general permit.

If, at any time, the Department has cause to believe that air contaminant emissions from a combustion unit covered by this general permit are in excess of the limitations specified in, or established pursuant to, any applicable regulation contained in 25 Pa. Code, Subpart C, Article III, the permittee shall conduct tests deemed necessary by the Department to determine the actual emission rate(s).

The permittee shall perform such testing in accordance with applicable provisions of 25 Pa. Code Chapter 139 (relating to sampling and testing) and in accordance with any restrictions or limitations established by the Department at the time the permittee is notified, in writing, of the testing requirement.

[From GP-1, Condition #7]

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]****Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.**

(g)(1) Except as provided under paragraphs (g)(2) and (g)(3) of this section, the owner or operator of each affected facility

**SECTION D. Source Level Requirements**

shall record and maintain records of the amount of each fuel combusted during each operating day.

(2) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in §60.48c(f) to demonstrate compliance with the SO₂ standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

[From GP-1, Condition #23]

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

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

What records must I keep?

(a) You must keep records according to paragraphs (a)(1) and (2) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in § 63.10(b)(2)(xiv).

(2) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in § 63.10(b)(2)(viii).

(b) - (h) [Do not apply]

(i) You must maintain records of the calendar date, time, occurrence and duration of each startup and shutdown.

(j) You must maintain records of the type(s) and amount(s) of fuels used during each startup and shutdown.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7185, Jan. 31, 2013]

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]

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

In what form and how long must I keep my records?

(a) Your records must be in a form suitable and readily available for expeditious review, according to § 63.10(b)(1).

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

(c) You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1). You can keep the records off site for the remaining 3 years.

V. REPORTING REQUIREMENTS.

007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall immediately notify the Department of any malfunction of the combustion unit which results in, or may possibly be resulting in, the emission of air contaminants in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code, Subpart C, Article III (relating to air resources).

[From GP-1, Condition#6]

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.

**SECTION D. Source Level Requirements**

Reports shall be submitted on a quarterly basis unless no excess emissions occurred. If there are no excess emissions, the permittee shall semi-annually report that no excess emissions occurred during the semi-annual reporting period.

[From GP-1, Condition#22]

Pursuant to 40 CFR §60.4, the permittee shall submit copies of all requests, reports, applications, submittals, and other communications to both EPA and the appropriate Regional Office of the Department. The EPA copies shall be forwarded to:

Director Air, Toxics and Radiation Division
US EPA, Region III
841 Chestnut Bldg
Philadelphia PA 19107

[From GP-1, Condition #25]

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]

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

How do I demonstrate initial compliance with the emission limits and work practice standards?

(a) - (c) [Do not apply]

(d) If you own or operate an existing unit with a heat input capacity of less than 10 million Btu per hour or a unit in the unit designed to burn gas 1 subcategory, you must submit a signed statement in the Notification of Compliance Status report that indicates that you conducted a tune-up of the unit.

(e) You must include with the Notification of Compliance Status a signed certification that the energy assessment was completed according to Table 3 to this subpart and is an accurate depiction of your facility at the time of the assessment.

(f) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in § 63.7545(e).

(g) - (i) [Do not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7174, Jan. 31, 2013]

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

(a) You must submit to the Administrator all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to you by the dates specified.

(b) - (d) [Do not apply]

(e) If you are required to conduct an initial compliance demonstration as specified in § 63.7530, you must submit a Notification of Compliance Status according to § 63.9(h)(2)(ii). For the initial compliance demonstration for each boiler or process heater, you must submit the Notification of Compliance Status, before the close of business on the 60th day following the completion of all 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), 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).

(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

**SECTION D. Source Level Requirements**

discarded non-hazardous secondary materials within the meaning of § 241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

(2) - (5) [Do not apply]

(6) A signed certification that you have met all applicable emission limits and work practice standards.

(7) If you had a deviation from any emission limit, work practice standard, or operating limit, you must also submit a description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report.

(8) In addition to the information required in § 63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

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

(ii) "This facility has had an energy assessment performed according to § 63.7530(e)."

(iii) Except for units that burn only natural gas, refinery gas, or other gas 1 fuel, or units that qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act, include the following: "No secondary materials that are solid waste were combusted in any affected unit."

(f) - (h) [Do not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013]

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

(a) You must submit each report in Table 9 to this subpart that applies to you.

[From Table 9 of Subpart DDDDD]

You must submit a Compliance Report annually as part of the Title V compliance reporting program.

The report must contain:

a. Information required in § 63.7550(c)(1) through (5); and

b. If there are no deviations from the requirements for work practice standards in Table 3 to this subpart that apply to you, a statement that there were no deviations from the work practice standards during the reporting period.

c. & d. [Do not apply]

(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 the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct an annual, biennial, or 5-year tune-up according to § 63.7540(a)(10), and not subject to emission limits or operating limits, you may submit only an annual compliance report, as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

(1) 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 July 31 or January 31, whichever date is the first date that occurs at least 180 days (or 1, 2, or 5 years, as applicable, if submitting an annual, biennial, or 5-year compliance report) after the compliance date that is specified for your source in § 63.7495.

**SECTION D. Source Level Requirements**

(2) The first compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in § 63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Each subsequent 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.

(c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

(1) If the facility is subject to a the requirements of a tune up they must submit a compliance report with the information in paragraphs (c)(5)(i) through (iv) and (xiv) of this section.

(2) - (4) [Do not apply]

(5)(i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

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

(iv) The total operating time during the reporting period.

(v) - (xiii) [Do not apply]

(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.

(xv) - (xvii) [Do not apply]

(d) - (e) [Do not apply]

(f) - (g) [Reserved]

(h) [Does not apply]

[78 FR 7183, Jan. 31, 2013]

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.9]

Subpart A--General Provisions

Notification requirements.

(a) [Does not apply]

(b) Initial notifications.

(1) (i) The requirements of this paragraph apply to the owner or operator of an affected source when such source becomes subject to a relevant standard.

**SECTION D. Source Level Requirements**

(ii) [Does not apply]

(iii) Affected sources that are required under this paragraph to submit an initial notification may use the application for approval of construction or reconstruction under Sec. 63.5(d) of this subpart, if relevant, to fulfill the initial notification requirements of this paragraph.

(2) The owner or operator of an affected source that has an initial startup before the effective date of a relevant standard under this part shall notify the Administrator in writing that the source is subject to the relevant standard. The notification, which shall be submitted not later than 120 calendar days after the effective date of the relevant standard (or within 120 calendar days after the source becomes subject to the relevant standard), shall provide the following information:

(i) The name and address of the owner or operator;

(ii) The address (i.e., physical location) of the affected source;

(iii) An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date;

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

(v) A statement of whether the affected source is a major source or an area source.

(3) [Reserved]

(4) - (5) [Do not apply]

(c) Request for extension of compliance. If the owner or operator of an affected source cannot comply with a relevant standard by the applicable compliance date for that source, or if the owner or operator has installed BACT or technology to meet LAER consistent with Sec. 63.6(i)(5) of this subpart, he/she may submit to the Administrator (or the State with an approved permit program) a request for an extension of compliance as specified in Sec. 63.6(i)(4) through Sec. 63.6(i)(6).

(d) - (g) [Do not apply]

(h) Notification of compliance status.

(1) The requirements of paragraphs (h)(2) through (h)(4) of this section apply when an affected source becomes subject to a relevant standard.

(2) [Does not apply]

(3) After a title V permit has been issued to the owner or operator of an affected source, the owner or operator of such source shall comply with all requirements for compliance status reports contained in the source's title V permit, including reports required under this part. After a title V permit has been issued to the owner or operator of an affected source, and each time a notification of compliance status is required under this part, the owner or operator of such source shall submit the notification of compliance status to the appropriate permitting authority following completion of the relevant compliance demonstration activity specified in the relevant standard.

(4) [Reserved]

(5) [Does not apply]

(6) Advice on a notification of compliance status may be obtained from the Administrator.

**SECTION D. Source Level Requirements**

(i) - (j) [Do not apply]

[59 FR 12430, Mar. 16, 1994, as amended at 64 FR 7468, Feb. 12, 1999; 67 FR 16604, Apr. 5, 2002; 68 FR 32601, May 30, 2003]

VI. WORK PRACTICE REQUIREMENTS.**# 013 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

This source shall be:

- a. operated in such a manner as not to cause air pollution.
- b. operated and maintained in a manner consistent with good operating and maintenance practices.
- c. operated and maintained in accordance with the manufacturer's specifications and the applicable terms and conditions of this Small Combustion Unit General Permit.

[From GP-1, Condition #4]

The permittee shall install and maintain the necessary meter(s) to determine and to record amount of fuel usage.

[From GP-1, Condition #21]

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What emission limits, work practice standards, and operating limits must I meet?**

(a) You must meet the requirements in paragraphs (a)(1) through (3) of this section, except as provided in paragraphs (b), through (e) of this section. You must meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of this section.

(1) You must meet each work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under § 63.7522.

(2) [Does not apply]

(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.

[From Table 3 of Subpart DDDDD]

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 conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions under this subpart.

If your unit is an existing boiler or process heater located at a major source facility you 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

**SECTION D. Source Level Requirements**

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.

 (b) As provided in § 63.6(g), EPA may approve use of an alternative to the work practice standards in this section.

(c) - (d) [Do not apply]

(e) Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, or the operating limits in Table 4 to this subpart.

(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 Table 3 to this subpart.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013]

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7505]

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

What are my general requirements for complying with this subpart?

(a) You must be in compliance with the work practice standards in this subpart. These limits apply to you at all times the affected unit is operating except for the periods noted in § 63.7500(f).

(b) [Reserved]

(c) - (d) [Do not apply]

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]

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

What are my initial compliance requirements and by what date must I conduct them?

(a) - (d) [Do not apply]

(e) For existing affected sources (as defined in § 63.7490), you must complete the initial compliance demonstration, 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

**SECTION D. Source Level Requirements**

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, except as specified in paragraph (j) of this section.

(f) - (i) [Do not apply]

(j) For existing affected sources (as defined in § 63.7490) that have not operated between the effective date of the rule and the compliance date that is specified for your source in § 63.7495, you must complete the initial compliance demonstration, if subject to the emission limits in Table 2 to this subpart, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the re-start of the affected source and according to the applicable provisions in § 63.7(a)(2) as cited in Table 10 to this subpart. You must complete an initial tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) no later than 30 days after the re-start of the affected source and, if applicable, complete the one-time energy assessment specified in Table 3 to this subpart, no later than the compliance date specified in § 63.7495.

[78 FR 7164, Jan. 31, 2013]

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]

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

When must I conduct subsequent performance tests or fuel analyses?

(a) - (c) [Do not apply]

(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual performance tune-up according to § 63.7540(a)(10). Each annual tune-up specified in § 63.7540(a)(10) must be no more than 13 months after the previous tune-up.

(e) - (f) [Do not apply]

(g) You must complete a subsequent tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) and the schedule described in § 63.7540(a)(13) for units that are not operating at the time of their scheduled tune-up.

(h) - (i) [Do not apply]

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

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

How do I demonstrate continuous compliance with the emission limits and work practice standards?

(a) You must demonstrate continuous compliance with the work practice standards in Table 3 to this subpart according to the methods specified in paragraphs (a)(1) through (19) of this section.

(1) - (9) [Do not apply]

(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.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and

**SECTION D. Source Level Requirements**

functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

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

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

(11) - (12) [Do not apply]

(13) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

(14) - (19) [Do not apply]

(b) - (d) [Do not apply]

[78 FR 7179, Jan. 31, 2013]

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 039

Source Name: MAIN PLANT BOILER #22

Source Capacity/Throughput:

60.000 MCF/HR

Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- a) The source shall comply with 25 PA Code 123.1, 123.31, & 123.41 for Fugitive, Odors, and Visible Emissions respectively.
- b) The source shall meet the following emission limitations for the following pollutants:
- Filterable PM 0.0075 Lb/MmBtu
 [Compliance with the PM requirement specified in this streamlined permit condition assures compliance with the provisions in 25 Pa Code 123.11]
- CO 0.096 Lb/MmBtu 130 PPM
 NOx 0.036 Lb/MmBtu 30 PPM
 VOC 0.005 Lb/MmBtu 14PPM
- c) The Department reserves the right to change the emission limits, based on the results of stack testing.

Fuel Restriction(s).**# 002 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall combust only pipeline quality natural gas.

Throughput Restriction(s).**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall limit fuel consumption to 525,600 mcf/yr based on a consecutive 12-month period.

II. TESTING REQUIREMENTS.**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- (a) The permittee shall, upon the request of the Department, provide fuel analyses, or fuel samples of the fuel used in the boiler.
- (b) If, at any time, the Department has cause to believe that air contaminant emissions from a combustion unit are in excess of the limitations specified in, or established pursuant to, any applicable regulation contained in 25 Pa. Code, Subpart C, Article III, the permittee shall conduct tests deemed necessary by the Department to determine the actual emission rate(s). The permittee shall perform such testing in accordance with applicable provisions of 25 Pa. Code Chapter 139 (relating to sampling and testing) and in accordance with any restrictions or limitations established by the Department at the time the permittee is notified, in writing, of the testing requirement.

005 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

- (a) The source shall be tested once every 5 years to demonstrate compliance with the CO and NOx emission limits.

**SECTION D. Source Level Requirements**

(b) Testing shall be done in accordance with the provisions of 25 PA Code Chapter 139, 40 CFR 60.46 and the following conditions:

(c) Pursuant to 25 Pa. Code § 139.3, at least 45 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(d) The emission tests of the above sources shall be performed in accordance with the provisions of Chapter 139 to determine compliance with the respective emissions limits in this condition. The stack tests shall be performed while the aforementioned sources are operating within 10% of the maximum rated capacity as stated on the application. The stack tests shall be performed in accordance with the Department approved methods.

(e) Pursuant to 25 Pa. Code § 139.3 at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

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

(g) Pursuant to 40 CFR Part 63.7(g) three complete test reports shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.

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

1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
2. Permit number(s) and condition(s) which are the basis for the evaluation.
3. Summary of results with respect to each applicable plan approval condition.
4. Statement of compliance or non-compliance with each applicable plan approval condition.

(i) Pursuant to 25 Pa. Code § 139.3 all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

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

(k) Pursuant to 25 Pa. Code Section § 139.53(a)(1) and § 139.53(a)(3) all submittals, besides notifications, shall be accomplished through PSIMS*Online, available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp>, when it becomes available.

If internet submittal can not be accomplished, three copies of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks.

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

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.**

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

IV. RECORDKEEPING REQUIREMENTS.**# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall record each adjustment conducted in a permanent record system. This record shall contain, at a minimum, the following:

1. The date of the tuning procedure
2. The name of the service company and technicians
3. The final operating rate or load
4. The final CO and NOx emission rates
5. The final excess oxygen rate

(b) The permittee shall maintain a record of the emissions in order to determine compliance with this plan approval.

(c) The permittee shall maintain monthly fuel records of the amounts of natural gas combusted.

(d) The records shall be kept for five years and made available to the Department upon request.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What records must I keep?**

(a) You must keep records according to paragraphs (a)(1) and (2) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in § 63.10(b)(2)(xiv).

(2) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in § 63.10(b)(2)(viii).

(b) - (h) [Do not apply]

(i) You must maintain records of the calendar date, time, occurrence and duration of each startup and shutdown.

(j) You must maintain records of the type(s) and amount(s) of fuels used during each startup and shutdown.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7185, Jan. 31, 2013]

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****In what form and how long must I keep my records?**

(a) Your records must be in a form suitable and readily available for expeditious review, according to § 63.10(b)(1).

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

(c) You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1). You can keep the records off site for the remaining 3 years.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.****# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall immediately notify the Department of any malfunction of the combustion unit which results in, or may possibly be resulting in, the emission of air contaminants in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code, Subpart C, Article III (relating to air resources).

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****How do I demonstrate initial compliance with the emission limits and work practice standards?**

(a) - (c) [Do not apply]

(d) If you own or operate an existing unit with a heat input capacity of less than 10 million Btu per hour or a unit in the unit designed to burn gas 1 subcategory, you must submit a signed statement in the Notification of Compliance Status report that indicates that you conducted a tune-up of the unit.

(e) You must include with the Notification of Compliance Status a signed certification that the energy assessment was completed according to Table 3 to this subpart and is an accurate depiction of your facility at the time of the assessment.

(f) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in § 63.7545(e).

(g) - (i) [Do not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7174, Jan. 31, 2013]

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What notifications must I submit and when?**

(a) You must submit to the Administrator all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to you by the dates specified.

(b) - (d) [Do not apply]

(e) If you are required to conduct an initial compliance demonstration as specified in § 63.7530, you must submit a Notification of Compliance Status according to § 63.9(h)(2)(ii). For the initial compliance demonstration for each boiler or process heater, you must submit the Notification of Compliance Status, before the close of business on the 60th day following the completion of all 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), 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).

(1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under § 241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of § 241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

(2) - (5) [Do not apply]

(6) A signed certification that you have met all applicable emission limits and work practice standards.

(7) If you had a deviation from any emission limit, work practice standard, or operating limit, you must also submit a

**SECTION D. Source Level Requirements**

description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report.

(8) In addition to the information required in § 63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

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

(ii) "This facility has had an energy assessment performed according to § 63.7530(e)."

(iii) Except for units that burn only natural gas, refinery gas, or other gas 1 fuel, or units that qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act, include the following: "No secondary materials that are solid waste were combusted in any affected unit."

(f) - (h) [Do not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013]

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

(a) You must submit each report in Table 9 to this subpart that applies to you.

[From Table 9 of Subpart DDDDD]

You must submit a Compliance Report annually as part of the Title V compliance reporting program.

The report must contain:

a. Information required in § 63.7550(c)(1) through (5); and

b. If there are no deviations from the requirements for work practice standards in Table 3 to this subpart that apply to you, a statement that there were no deviations from the work practice standards during the reporting period.

c. & d. [Do not apply]

(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 the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct an annual, biennial, or 5-year tune-up according to § 63.7540(a)(10), and not subject to emission limits or operating limits, you may submit only an annual compliance report, as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

(1) 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 July 31 or January 31, whichever date is the first date that occurs at least 180 days (or 1, 2, or 5 years, as applicable, if submitting an annual, biennial, or 5-year compliance report) after the compliance date that is specified for your source in § 63.7495.

(2) The first compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in § 63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

(3) Each subsequent 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.

**SECTION D. Source Level Requirements**

(4) Each subsequent 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.

(c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

(1) If the facility is subject to a the requirements of a tune up they must submit a compliance report with the information in paragraphs (c)(5)(i) through (iv) and (xiv) of this section.

(2) - (4) [Do not apply]

(5)(i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

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

(iv) The total operating time during the reporting period.

(v) - (xiii) [Do not apply]

(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.

(xv) - (xvii) [Do not apply]

(d) - (e) [Do not apply]

(f) - (g) [Reserved]

(h) [Does not apply]

[78 FR 7183, Jan. 31, 2013]

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.9]

Subpart A--General Provisions

Notification requirements.

(a) [Does not apply]

(b) Initial notifications.

(1) (i) The requirements of this paragraph apply to the owner or operator of an affected source when such source becomes subject to a relevant standard.

(ii) [Does not apply]

(iii) Affected sources that are required under this paragraph to submit an initial notification may use the application for approval of construction or reconstruction under Sec. 63.5(d) of this subpart, if relevant, to fulfill the initial notification requirements of this paragraph.

(2) The owner or operator of an affected source that has an initial startup before the effective date of a relevant standard under this part shall notify the Administrator in writing that the source is subject to the relevant standard. The notification, which shall be submitted not later than 120 calendar days after the effective date of the relevant standard (or within 120

**SECTION D. Source Level Requirements**

calendar days after the source becomes subject to the relevant standard), shall provide the following information:

(i) The name and address of the owner or operator;

(ii) The address (i.e., physical location) of the affected source;

(iii) An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date;

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

(v) A statement of whether the affected source is a major source or an area source.

(3) [Reserved]

(4) - (5) [Do not apply]

(c) Request for extension of compliance. If the owner or operator of an affected source cannot comply with a relevant standard by the applicable compliance date for that source, or if the owner or operator has installed BACT or technology to meet LAER consistent with Sec. 63.6(i)(5) of this subpart, he/she may submit to the Administrator (or the State with an approved permit program) a request for an extension of compliance as specified in Sec. 63.6(i)(4) through Sec. 63.6(i)(6).

(d) - (g) [Do not apply]

(h) Notification of compliance status.

(1) The requirements of paragraphs (h)(2) through (h)(4) of this section apply when an affected source becomes subject to a relevant standard.

(2) [Does not apply]

(3) After a title V permit has been issued to the owner or operator of an affected source, the owner or operator of such source shall comply with all requirements for compliance status reports contained in the source's title V permit, including reports required under this part. After a title V permit has been issued to the owner or operator of an affected source, and each time a notification of compliance status is required under this part, the owner or operator of such source shall submit the notification of compliance status to the appropriate permitting authority following completion of the relevant compliance demonstration activity specified in the relevant standard.

(4) [Reserved]

(5) [Does not apply]

(6) Advice on a notification of compliance status may be obtained from the Administrator.

(i) - (j) [Do not apply]

[59 FR 12430, Mar. 16, 1994, as amended at 64 FR 7468, Feb. 12, 1999; 67 FR 16604, Apr. 5, 2002; 68 FR 32601, May 30, 2003]

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 014 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall perform annual burner maintenance, adjusting and testing. This adjustment shall include, at a minimum, the following:

1. Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
2. Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable minimize emissions of CO.
3. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

015 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The facility shall install a natural gas flow meter to the boiler.

016 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

(a) The company shall install, operate and maintain Low No_x Burners and Flue Gas Recirculation in order to minimize the emissions of NO_x from the boiler.

(b) The source shall be operated and maintained in accordance with the manufacturer's specifications and in accordance with good air pollution control practices. The permittee shall maintain a copy of the manufacturer's specifications on site and make available to the Department upon request.

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What emission limits, work practice standards, and operating limits must I meet?**

(a) You must meet the requirements in paragraphs (a)(1) through (3) of this section, except as provided in paragraphs (b), through (e) of this section. You must meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of this section.

(1) You must meet each work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under § 63.7522.

(2) [Does not apply]

(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.

[From Table 3 of Subpart DDDDD]

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 conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions under this subpart.

If your unit is an existing boiler or process heater located at a major source facility you 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

**SECTION D. Source Level Requirements**

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.

 (b) As provided in § 63.6(g), EPA may approve use of an alternative to the work practice standards in this section.

(c) - (d) [Do not apply]

(e) Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, or the operating limits in Table 4 to this subpart.

(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 Table 3 to this subpart.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013]

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7505]

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

What are my general requirements for complying with this subpart?

(a) You must be in compliance with the work practice standards in this subpart. These limits apply to you at all times the affected unit is operating except for the periods noted in § 63.7500(f).

(b) [Reserved]

(c) - (d) [Do not apply]

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]

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

What are my initial compliance requirements and by what date must I conduct them?

(a) - (d) [Do not apply]

(e) For existing affected sources (as defined in § 63.7490), you must complete the initial compliance demonstration, 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

**SECTION D. Source Level Requirements**

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, except as specified in paragraph (j) of this section.

(f) - (i) [Do not apply]

(j) For existing affected sources (as defined in § 63.7490) that have not operated between the effective date of the rule and the compliance date that is specified for your source in § 63.7495, you must complete the initial compliance demonstration, if subject to the emission limits in Table 2 to this subpart, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the re-start of the affected source and according to the applicable provisions in § 63.7(a)(2) as cited in Table 10 to this subpart. You must complete an initial tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) no later than 30 days after the re-start of the affected source and, if applicable, complete the one-time energy assessment specified in Table 3 to this subpart, no later than the compliance date specified in § 63.7495.

[78 FR 7164, Jan. 31, 2013]

020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]

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

When must I conduct subsequent performance tests or fuel analyses?

(a) - (c) [Do not apply]

(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual performance tune-up according to § 63.7540(a)(10). Each annual tune-up specified in § 63.7540(a)(10) must be no more than 13 months after the previous tune-up.

(e) - (f) [Do not apply]

(g) You must complete a subsequent tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) and the schedule described in § 63.7540(a)(13) for units that are not operating at the time of their scheduled tune-up.

(h) - (i) [Do not apply]

021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

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

How do I demonstrate continuous compliance with the emission limits and work practice standards?

(a) You must demonstrate continuous compliance with the work practice standards in Table 3 to this subpart according to the methods specified in paragraphs (a)(1) through (19) of this section.

(1) - (9) [Do not apply]

(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.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and

**SECTION D. Source Level Requirements**

functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

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

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

(11) - (12) [Do not apply]

(13) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

(14) - (19) [Do not apply]

(b) - (d) [Do not apply]

[78 FR 7179, Jan. 31, 2013]

VII. ADDITIONAL REQUIREMENTS.

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

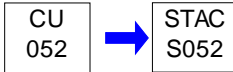
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 052

Source Name: SPACE HEATERS < 2.5 MMBTU

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.22]

Combustion units

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

Fuel Restriction(s).

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

This source shall use only natural gas as a fuel source.

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.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

VII. ADDITIONAL REQUIREMENTS.

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

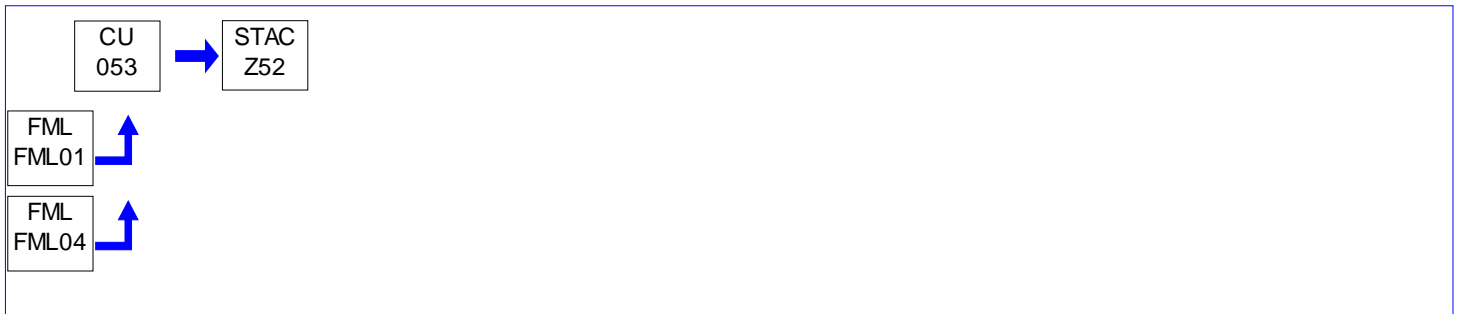
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 053

Source Name: 2.5 MMBTU/HR < SPACEHEATERS < 10 MMBTU/HR

Source Capacity/Throughput: 20.000 MCF/HR Natural Gas

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

001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emission into the outdoor atmosphere of particulate matter in excess of the rate of 0.4 pound per million Btu of heat input.

002 [25 Pa. Code §123.22]

Combustion units

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

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provisions in: SIP Approved SO₂ Limits 40 CFR 52.2020(c)(1)]

Fuel Restriction(s).

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

This source shall burn only natural gas or propane to ensure compliance with Conditions #001 & #002, 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).

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 004 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 130A

Source Name: PREHEAT FURNACE #6

Source Capacity/Throughput: 9.000 MMBTU/HR

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

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).**# 003 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

This source shall burn only natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: ELECTRIC ARC FURNACE 2

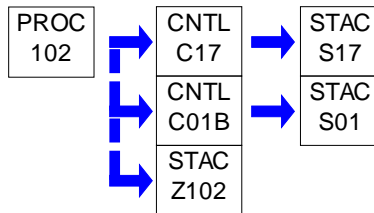
Source Capacity/Throughput:

N/A

Natural Gas

75.000 Tons/HR

STEEL

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

Total allowable emission rates for Baghouse #3 (C01B) are given below:

1. Particulate Matter/PM₁₀ 0.0036 gr/dscf
2. Particulate Matter/PM₁₀ 29.9 lbs/hr
3. Particulate Matter/PM₁₀ 130.8 tpy based on a consecutive 12-month period
4. Carbon Monoxide 164.0 lbs/hr based on 30-day rolling average
5. Carbon Monoxide 718.3 tpy based on a consecutive 12-month period

[Plan Approval Number: 10-001B, Condition #10 and Plan Approval Number: 10-0011, Condition #7]

[Compliance with the requirement specified in part (1) of this streamlined permit condition assures compliance with the provisions in: 25 PA Code 123.13]

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

Authority for this condition is also derived from 25 PA Code 129.92.

The NO_x emission limit for the #3 baghouse (Control #C01B) inlet shall not exceed 75 lb/hr. The NO_x emissions to the baghouse may include during normal or maximum melt shop operating conditions contributions from the electric arc furnaces, casters, east argon stirring station, ladle preheaters, and various miscellaneous combustion sources located in the Melt Shop Building. Compliance with this #3 Baghouse emission limit shall be monitored by annual stack testing with the results being averaged and compared to the limit to show compliance.

Throughput Restriction(s).**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall limit the total steel production from electric arc furnaces #2, #3 & #4 so as not to exceed 1,200,000 tpy based on a consecutive 12-month period.

005 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The total steel production from #2 EAF shall not exceed 400,000 tons based on a consecutive 12-month period.

[PA: 10-001B Condition 6]

**SECTION D. Source Level Requirements****II. TESTING REQUIREMENTS.****# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- a) Compliance with the CO emission limits shall be shown through an initial stack test and annual stack test thereafter outlined below.
- b) Compliance with the CO emission limits for the melt shop shall be demonstrated by way of an annual stack test. Stack testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection and the most current edition of the Department's "Source Testing Manual" for CO emissions. The stack test shall be performed while the melt shop is operating at maximum or normal rated capacity.
- 1) Within 60 days of performing a stack test, three copies of a protocol shall be submitted in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The protocol shall contain, at a minimum, location of sampling ports, planned production rates, and any other information applicable to the stack testing. Performance of a stack test prior to Department approval of the protocol may invalidate the results.
 - 2) At least 2 weeks prior to the test, the Department shall be informed, in writing, of the date and time of the test.
 - 3) Within 60 days after completion of stack testing, three copies of the complete test report, including, but not limited to, production rates during testing, calculation methods and results, and any other applicable testing information that will allow for a complete review of the test and results, shall be submitted to the Department for approval.
 - 4) Actions Related to Noncompliance Demonstrated by a Stack Test:

[From Plan Approval Number 10-0011, Condition #s 7 and 8.]

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Authority for this condition is also derived from 129.92.

The permittee shall perform an annual stack test on #3 Baghouse inlet to show compliance with the 75 lb/hr NOx emission limit. The stack test shall consist of a minimum of three (3) eight (8) hour stack tests utilizing a Department approved method. The results of all stack tests shall be averaged and compared with the emission limitation to show compliance.

III. MONITORING REQUIREMENTS.**# 008 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall install and maintain at a conveniently readable location a magnehelic gauge or equivalent to indicate the pressure drop across control device Baghouse #3 (C01B).

[PA: 10-001B Condition 12]

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

- a) The following parameters will be monitored as part of the CAM plan for Baghouse #3 (C01B).
- (1) Inlet Pressure

The permittee shall check the inlet pressure of the control device using a static pressure transducer at least once for each shift that the source is operated.

- (2) Visible Observations

The permittee shall perform daily Method 22 observations of each exhaust port associated with this control device while the source is in operation, during each day the source is operated during daylight hours.

**SECTION D. Source Level Requirements**

(3) Preventive Maintenance

The permittee shall perform monthly preventive maintenance inspections of the control device and associated equipment.

- b) The following indicator ranges will be part of the CAM plan for Baghouse #3 (C01B).

(1) Inlet Pressure

The inlet pressure of the control device shall be maintained between 5 and 17 inches of H₂O during all periods of source operation. An excursion will trigger an inspection, corrective action and possibly malfunction reporting.

(2) Visible Emissions

The absence of any visible emissions will indicate proper operation of the control device. An excursion is the presence of any visible emissions other than those emissions excluded by 25 Pa. Code 123.42 (1) and (2). An excursion will trigger an inspection, corrective action and possibly malfunction reporting.

(3) Preventative Maintenance

NA

[Additional authority for this permit condition is derived from 40 CFR §64.6 & §64.3.]

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

- a) The following parameters will be monitored as part of the CAM plan for Baghouse # 1 & 2 (C17).

(1) Inlet Pressure-

The permittee shall check the inlet pressure of the control device using a static pressure transducer at least once for each shift that the source is operated.

(2) Visible Observations-

The permittee shall perform daily Method 22 observations of each exhaust port associated with this control device, while the source is in operation, during each day the source is operated.

(3) Preventive Maintenance-

The permittee shall perform monthly preventive maintenance inspections of the control device and associated equipment.

- b) The following indicator ranges will be part of the CAM plan for Baghouse # 1 & 2 (C17).

(1) Inlet Pressure-

The inlet pressure of the control device shall be maintained between 3 and 17 inches of H₂O during all periods of source operation. An excursion will trigger an inspection, corrective action and possibly malfunction reporting.

(2) Visible Emissions-

The absence of any visible emissions will indicate proper operation of the control device. An excursion is the presence of any visible emissions. An excursion will trigger an inspection, corrective action and possibly malfunction reporting.

(3) Preventative Maintenance-

NA

**SECTION D. Source Level Requirements**

[Additional authority for this permit condition is derived from 40 CFR §64.6 and §64.3.]

IV. RECORDKEEPING REQUIREMENTS.**# 011 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- a) The company shall maintain, monthly, records of the total steel production for the #2 EAF. [PA: 10-001B Condition 7]
- b) The company shall record, daily, the pressure drop across control device Baghouse #3 (C01B). [PA: 10-001B Condition 13]
- c) The permittee shall maintain a record of all preventive maintenance inspections of the control device Baghouse #3 (C01B). The inspection records, at a minimum, shall contain the dates of the inspections, any potential problems or defects that were encountered and steps taken to correct them. [PA: 10-001B Condition 14]

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

Data Collection Procedures for Baghouse #1 & 2 (C17) and Baghouse #3 (C01B)

(1) Inlet Pressure

The permittee shall manually record the pressure readings for every shift that the source is operated. A hard copy of the data is to be retained for five (5) years.

[Compliance with this streamlined condition assures compliance with Condition #13 of Plan Approval Number 10-001B.]

(2) Visible Emissions

The permittee shall manually record the results of the Method 22 observations each day that the source is operated during daylight hours. A hard copy of the data is to be retained for five (5) years.

(3) Preventative Maintenance

Records of the monthly preventative maintenance inspections shall be kept and retained for five (5) years.

[Additional authority for this permit condition is derived from 40 CFR §64.9(b).]

V. REPORTING REQUIREMENTS.**# 013 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The company shall submit to the Department, within 30 days of the end of each calendar quarter, the following:

1. Total steel production for the #2 EAF for the quarter, and
2. Total steel production for the #2 EAF based on a consecutive 12-month period

[PA: 10-001B Condition 7]

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

The following are CAM related requirements:

The permittee shall report the following information to the Department every six (6) months:

- (1) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or

**SECTION D. Source Level Requirements**

exceedances, as applicable, and the corrective actions taken:

(2) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and

(3) A description of the actions taken to implement a quality improvement plan (QIP) during the semi-annual reporting period. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

[Additional authority for this permit condition is also derived from 40 CFR § 64.9(a).]

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

Authority for this condition is also derived from 25 PA Code 129.95.

The permittee shall notify the Department of the date and time of any testing, at least two (2) weeks prior to the test.

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

a) The permittee shall submit to the Department, at least sixty (60) days before the scheduled stack test, two (2) copies of the stack test procedure and a sketch with the dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples for approval.

[Compliance with the requirement specified in part (a) of this streamlined permit condition assures compliance with the provisions in: PA 10-307-045 Condition #7 & RACT OP 10-001M Condition #6]

b) The permittee shall submit to the Department, within sixty (60) days after completion of the stack test, two (2) copies of the complete test report including all operating conditions for approval.

[Compliance with the requirement specified in part (b) of this streamlined permit condition assures compliance with the provisions in: PA 10-307-045 Condition #7 & RACT OP 10-001M Condition #9]

VI. WORK PRACTICE REQUIREMENTS.**# 017 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

a) Any increase in steel production from the modification to the #2 EAF above 319,700 tons (based on a 12-month consecutive period) shall be sold as semi-finished slabs or sent to other AK Steel facilities. At no point shall the increased production go through the finishing operations at the Butler facility. The company shall maintain monthly records of the amount of processed steel sold as semi-finished slabs or steel sent to other AK facilities. [PA: 10-001B Condition 9]

b) A magnehelic gauge or equivalent shall be maintained to indicate the pressure drop across the control device. [PA: 10-001B Condition 12]

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

The following are CAM related requirements:

(a) Commencement of operation. The owner or operator shall conduct the monitoring required under this part upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to §64.6(d).

(b) Proper maintenance. At all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

**SECTION D. Source Level Requirements**

(c) Continued operation. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(d) Response to excursions or exceedances.

(1) Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(2) Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

(e) Documentation of need for improved monitoring. After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the permitting authority and, if necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[Additional authority for part (a) to (e) of this permit condition is also derived from 40 CFR §64.7]

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

a) The following data will be represented as part of the CAM plan for Baghouse #3 (C01B) and Baghouse #1 & 2 (C17).

(1) Inlet Pressure

Pressure reading is to be measured at the baghouse inlet. The minimum accuracy of the pressure transducer shall be +/- 0.5 inches of H₂O.

(2) Visible Emissions

Method 22 observations are to be performed at the baghouse exhaust on each day the source is operated during daylight hours, while the source is operating.

(3) Preventative Maintenance

Monthly Preventative maintenance inspections are to be performed at the fans, compartments, hoppers, screws, conveyors and silos.

**SECTION D. Source Level Requirements**

b) Verification of Operational Status

(1) Inlet Pressure

Operational status is to be verified by operator and/or other qualified personnel.

(2) Visible Emissions

Operational status is to be verified by operator and/or other qualified personnel.

(3) Preventative Maintenance

Operational status is to be verified by operator and/or other qualified personnel.

c) QA/QC Practices and Criteria

(1) Inlet Pressure

Pressure transducer is to be calibrated or replaced with a certified unit annually. Pressure taps are to be checked monthly for plugging.

(2) Visible Emissions

Operators or qualified personnel are to be trained for Reference Method 22.

(3) Preventative Maintenance

Qualified maintenance personnel shall perform maintenance inspections.

[Additional authority for this permit condition is derived from 40 CFR §64.4.]

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

a) The permittee shall perform an annual visual inspection of the baghouse bags for any tear or damage.

b) The source and control device shall be maintained and operated in accordance with the manufacturer's specifications or in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.**# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The following are CAM related requirements:

(a) The permittee shall develop and implement a quality improvement plan (QIP) if any of the following occurs:

(1) Nine excursions of any single parameter occur in a six-month reporting period.

(2) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(b) Elements of a QIP:

(1) The owner or operator shall maintain a written QIP, if required, and have it available for inspection.

**SECTION D. Source Level Requirements**

(2) The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as appropriate;

- (i) Improved preventive maintenance practice.
- (ii) Process operation changes.
- (iii) Appropriate improvements to control methods.
- (iv) Other steps appropriate to correct control performance.
- (v) More frequent or improved monitoring (only in conjunction with one or more steps under paragraphs (b)(2)(i) through (iv) of this section).

(c) If a QIP is required, the owner or operator shall develop and implement a QIP as expeditiously as practicable and shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(d) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

- (1) Address the cause of the control device performance problem.
- (2) Provide adequate procedures for correcting control device performance problems in as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(e) Implementation of a QIP, shall not excuse the permittee from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

[Additional authority for the following permit conditions are also derived from 40 CFR §64.8]

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

**SECTION D. Source Level Requirements**

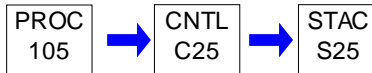
Source ID: 105

Source Name: SHOT BLAST 4

Source Capacity/Throughput:

40.000 Tons/HR

STEEL

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall install and maintain at a conveniently readable location a magnehelic guage or equivalent to indicate the pressure drop across the control device.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record, weekly, the pressure drop across the control device.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

a) The permittee shall perform a monthly preventative maintenance inspection of the control device.

b) The source and control device shall be maintained and operated in accordance with the manufacturer's specifications or in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

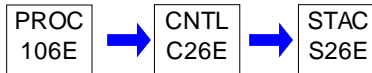
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 106E

Source Name: SHOT BLAST 12 EAST

Source Capacity/Throughput: 70.000 Tons/HR STEEL

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall install and maintain at a conveniently readable location a magnehelic guage or equivalent to indicate the pressure drop across the control device.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record, weekly, pressure drop across the control device.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

- a) The permittee shall perform a monthly preventative maintenance inspection of the control device.
- b) The source and control device shall be maintained and operated in accordance with the manufacturer's specifications or in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 106W

Source Name: SHOT BLAST 12 WEST

Source Capacity/Throughput:

70.000 Tons/HR

STEEL

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall install and maintain at a conveniently readable location a magnehelic guage or equivalent to indicate the pressure drop across the control device.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record, weekly, the pressure drop across the control device.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

a) The permittee shall perform a monthly preventative maintenance inspection of the control device.

b) The source and control device shall be maintained and operated in accordance with the manufacturer's specifications or in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

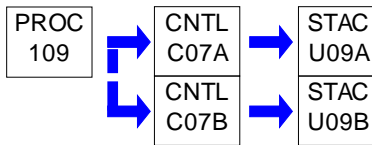
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 109

Source Name: #2 TANDEM COLD MILL

Source Capacity/Throughput: 60.000 Tons/HR STEEL

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain at a conveniently readable location a magnehelic gauge or equivalent to indicate the pressure drop across the control device.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain a record of all preventive maintenance inspections of the control device. The inspection records, at a minimum, shall contain the dates of the inspections, any potential problems or defects that were encountered and steps taken to correct them.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record, daily, the pressure drop across the control device.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

a) The permittee shall perform a monthly preventative maintenance inspection of the control device.

b) The source and control device shall be maintained and operated in accordance with the manufacturer's specifications or in accordance with good air pollution control practices.



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

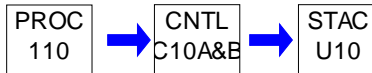
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 110

Source Name: #3 TANDEM COLD MILL

Source Capacity/Throughput: 120.000 Tons/HR STEEL

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

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

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

a) The source is subject to 25 PA Code 123.41 (Visible Emissions) except when the mill is producing Tran-Cor H (TCH) and Regulated Grain Oriented (RGO) types of steel. When producing TCH and RGO, the following visible emission limits shall not be exceeded:

1. One minute average opacity not to be exceeded at any time 43%
2. Opacity not to be exceeded more than 3 minutes in any one hour 34%
3. Hourly average opacity not to be exceeded at any time 31%

b) The plume opacity shall not create or contribute to a public nuisance or cause air pollution as defined under the Clean Air Act.

II. TESTING REQUIREMENTS.

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

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

The permittee shall install and maintain at a convenient location a magnehelic gauge or equivalent to indicate pressure drop across the control device (inertial separator).

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

a) The following parameters will be monitored as part of the CAM plan.

- (1) Pressure Drop

The permittee shall check the pressure drop across each Mist Eliminator, using a differential pressure gauge, at least once for each day that the source is operated.

- (2) Visible Observations

The permittee shall perform Method 9 observations of the combined exhaust stack associated with these control devices once per week for each week the source is in operation, while the source is in operation.

- (3) Preventive Maintenance

**SECTION D. Source Level Requirements**

The permittee shall perform monthly preventive maintenance inspections of the control device and associated equipment for each month the source has operated.

(4) Control Device Cleaning

The permittee shall perform quarterly cleaning of the mist eliminator associated with this source.

b) The following indicator ranges will be part of the CAM plan.

(1) Pressure Drop

The inlet pressure of the control device shall be maintained between 1 and 9 inches of H₂O during all periods of source operation. An excursion will trigger inspections of the control device units, the cold mill, and cleaning of the control devices, if necessary.

(2) Visible Emissions

Visible emission observations of the stack shall be taken for a six-minute time period. An excursion is the presence of any visible emissions in excess of any of the following limits.

(i) (When producing Tran-Cor H (TCH) or Regulated Grain Oriented (RGO) types of steel)

One minute average opacity above 43% at any time.

Opacity above 34% for more than 3 minutes in any one hour.

(ii) (When producing all other types of steel)

Opacity equal or greater than 60% at any time.

Opacity equal or greater than 20% for more than 3 minutes in any one hour.

An excursion will trigger an inspection, corrective action and possibly malfunction reporting.

(3) Preventative Maintenance

NA

(4) Control Device Cleaning

NA

[Additional authority for this permit condition is derived from 40 CFR § 64.6 & §64.3.]

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall keep records of when TCH and RGO types of steel are being produced. These records shall be kept for a period of 5 years. The records shall be made readily available to Department personnel upon request.

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

Data Collection Procedures

SECTION D. Source Level Requirements

(1) Pressure Drop

The operator shall manually record the pressure drop reading(s) every day that the source is operated. A hard copy of the data is to be retained for five (5) years.

(2) Visible Emissions

Visible emission observations shall be manually recorded weekly. A hard copy of the data is to be retained for five (5) years.

(3) Preventative Maintenance

Records of the monthly preventative maintenance inspections shall be kept and retained for five (5) years.

(4) Control Device Cleaning

Records of the quarterly cleanings shall be kept and retained for five (5) years.

[Additional authority for this permit condition is derived from 40 CFR § 64.9(b).]

007 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain a record of all preventive maintenance inspections of the control device. The inspection records, at a minimum, shall contain the dates of the inspections, any potential problems or defects that were encountered and steps taken to correct them.

008 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

For each day the source is in operation, the permittee shall record, daily, the pressure drop across the control device.

V. REPORTING REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The following are CAM related requirements:

The permittee shall report the following information to the Department every six (6) months:

(1) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken:

(2) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and

(3) A description of the actions taken to implement a quality improvement plan (QIP) during the semi-annual reporting period. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

[Additional authority for this permit condition is also derived from 40 CFR § 64.9(a).]

VI. WORK PRACTICE REQUIREMENTS.**# 010 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

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

SECTION D. Source Level Requirements**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The following are CAM related requirements:

(a) Commencement of operation. The owner or operator shall conduct the monitoring required under this part upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to §64.6(d).

(b) Proper maintenance. At all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

(c) Continued operation. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(d) Response to excursions or exceedances.

(1) Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(2) Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

(e) Documentation of need for improved monitoring. After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the permitting authority and, if necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[Additional authority for part (a) to (e) of this permit condition is also derived from 40 CFR §64.7]

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

a) The following data will be represented as part of the CAM plan

(1) Pressure Drop

**SECTION D. Source Level Requirements**

The pressure drop readings are to be measured across the control device. The minimum accuracy of the differential pressure gauge shall be +/- 0.5 inches of H₂O.

(2) Visible Emissions

Visible emission observations are to be performed at the exhaust stack while the source is operating.

(3) Preventative Maintenance

Monthly Preventative maintenance inspections of the control device interior are to be conducted according to standard work practices and checklist procedures.

(4) Control Device Cleaning

Quarterly cleaning activities are to be conducted on the control device interior according to standard work practices and checklist procedures.

b) Verification of Operational Status

(1) Pressure Drop

Operational status is verified by operator and/or other qualified personnel.

(2) Visible Emissions

NA

(3) Preventative Maintenance

NA

(4) Control Device Cleaning

NA

c) QA/QC Practices and Criteria

(1) Pressure Drop

Pressure gauges are to be calibrated or replaced with certified units annually.

(2) Visible Emissions

Trained and certified personnel shall perform Reference Method 9 observations.

(3) Preventative Maintenance

Qualified personnel shall perform maintenance inspections.

(4) Control Device Cleaning

Qualified personnel shall perform quarterly cleaning.

d) Monitoring Frequency

**SECTION D. Source Level Requirements**

(1) Pressure Drop

Pressure drop readings are to be taken at least once per day while the source is operating for each day the source has been in operation.

(2) Visible Emissions

Reference Method 9 observations are to be performed weekly for each week the source has been in operation.

(3) Preventative Maintenance

Maintenance inspections are to be performed monthly.

(4) Control Device Cleaning

Control device cleaning is to be performed quarterly.

[Additional authority for this permit condition is derived from 40 CFR § 64.4.]

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

- a) The permittee shall perform a monthly preventative maintenance inspection of the control device for each month the source has been operated.
- b) The source and control device shall be maintained and operated in accordance with the manufacturer's specifications or in accordance with good air pollution control practices.
- c) The control devices associated with this source are to be operated at all times the source is in operation.

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

The following are CAM related requirements:

- (a) The permittee shall develop and implement a quality improvement plan (QIP) if any of the following occurs:

- (1) Nine excursions of any single parameter occur in a six-month reporting period.
- (2) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

- (b) Elements of a QIP:

- (1) The owner or operator shall maintain a written QIP, if required, and have it available for inspection.
- (2) The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as appropriate;
 - (i) Improved preventive maintenance practice.
 - (ii) Process operation changes.
 - (iii) Appropriate improvements to control methods.
 - (iv) Other steps appropriate to correct control performance.
 - (v) More frequent or improved monitoring (only in conjunction with one or more steps under paragraphs (b)(2)(i) through (iv) of this section).

SECTION D. Source Level Requirements

(c) If a QIP is required, the owner or operator shall develop and implement a QIP as expeditiously as practicable and shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(d) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

(1) Address the cause of the control device performance problem.

(2) Provide adequate procedures for correcting control device performance problems in as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(e) Implementation of a QIP, shall not excuse the permittee from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

[Additional authority for the following permit conditions are also derived from 40 CFR §64.8]

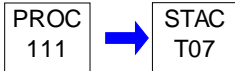
*** **Permit Shield in Effect.** ***

**SECTION D. Source Level Requirements**

Source ID: 111

Source Name: SLAB HEATING FURNACE 5

Source Capacity/Throughput:	230.000 MCF/HR	Natural Gas
	70.000 Tons/HR	STEEL

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

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Throughput Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.92.

The permittee shall limit fuel consumption to 700,000 mcf/yr based on a consecutive 12-month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall record each adjustment conducted in a permanent record keeping system. These records shall contain, at a minimum, the following:

1. The date of the tuning procedure
2. The name of the service company and technicians
3. The final operating rate or load
4. The final CO and NO_x emission rates
5. The final excess oxygen rate

005 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain monthly records of the fuel consumption to each furnace.

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

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

VI. WORK PRACTICE REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall perform annual burner maintenance, adjusting and testing. This adjustment shall include, at a minimum, the following:

1. Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
2. Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable minimize emissions of CO.
3. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

007 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

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

VII. ADDITIONAL REQUIREMENTS.

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

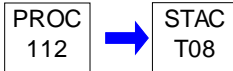
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 112

Source Name: SLAB HEATING FURNACE 6

Source Capacity/Throughput:	210.000 MCF/HR	Natural Gas
	70.000 Tons/HR	STEEL

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

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Throughput Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.92.

The permittee shall limit fuel consumption to 600,000 mcf/yr based on a consecutive 12-month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall record each adjustment conducted in a permanent record keeping system. These records shall contain, at a minimum, the following:

1. The date of the tuning procedure
2. The name of the service company and technicians
3. The final operating rate or load
4. The final CO and NO_x emission rates
5. The final excess oxygen rate

005 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain monthly records of the fuel consumption to each furnace.

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

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

VI. WORK PRACTICE REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall perform annual burner maintenance, adjusting and testing. This adjustment shall include, at a minimum, the following:

1. Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
2. Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable minimize emissions of CO.
3. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

007 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

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

VII. ADDITIONAL REQUIREMENTS.

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

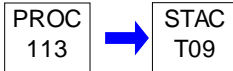
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 113

Source Name: SLAB HEATING FURNACE 7

Source Capacity/Throughput:	210.000 MCF/HR	Natural Gas
	70.000 Tons/HR	STEEL

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

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Throughput Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.92.

The permittee shall limit fuel consumption to 600,000 mcf/yr based on a consecutive 12-month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall record each adjustment conducted in a permanent record keeping system. These records shall contain, at a minimum, the following:

1. The date of the tuning procedure
2. The name of the service company and technicians
3. The final operating rate or load
4. The final CO and NO_x emission rates
5. The final excess oxygen rate

005 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain monthly records of the fuel consumption to each furnace.

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

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

VI. WORK PRACTICE REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall perform annual burner maintenance, adjusting and testing. This adjustment shall include, at a minimum, the following:

1. Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
2. Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable minimize emissions of CO.
3. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

007 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

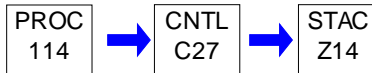
Source ID: 114

Source Name: #11 CENTRO SLAB GRINDER

Source Capacity/Throughput:

20.000 Tons/HR

STEEL

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall install and maintain at a convenient location a magnehelic gauge or equivalent to indicate pressure drop across the control device.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record, weekly, the pressure drop across the control device.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

a) The permittee shall perform a monthly preventative maintenance inspection of the control device.

b) The source and control device shall be maintained and operated in accordance with the manufacturer's specifications or in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

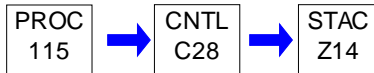
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 115

Source Name: #12 CENTRO SLAB GRINDER

Source Capacity/Throughput: 20.000 Tons/HR STEEL

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall install and maintain at a convenient location a magnehelic gauge or equivalent to indicate pressure drop across the control device.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record, weekly, the pressure drop across the control device.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

- a) The permittee shall perform a monthly preventative maintenance inspection of the control device.
- b) The source and control device shall be maintained and operated in accordance with the manufacturer's specifications or in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

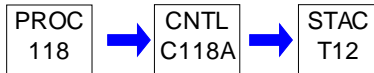
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 118

Source Name: #4 PICKLE LINE

Source Capacity/Throughput: 40.000 Tons/HR STEEL

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 25 PA Code 129.95.

The permittee shall install and maintain at a conveniently readable location instrumentation to monitor the scrubber liquid flow rate and scrubber pressure drop.

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provisions in PA: 10-001F Condition 4]

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

For each week the source was in operation, the permittee shall record, on a weekly basis, the pressure drop across the control device and the water flow rate to the control device. A record shall be maintained to indicate the pressure drop and water flow rate. Records shall be kept on file for a period of 5 years and shall be made available to Department personnel upon request.

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provisions in PA: 10-001F Condition 5]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

a) The permittee shall perform monthly preventative maintenance inspection of the control device. A maintenance record shall be kept on file for a period of 5 years and shall be made available to Department personnel upon request.

**SECTION D. Source Level Requirements**

[Compliance with the requirement specified in part (a) of this streamlined permit condition assures compliance with the provisions in PA: 10-001F Condition 6]

b) The source and control device shall be maintained and operated in accordance with the manufacturer's specifications or in accordance with good air pollution control practices.

[Compliance with the requirement specified in part (b) of this streamlined permit condition assures compliance with the provisions in PA: 10-001F Condition 12]

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 119

Source Name: #7 PICKLE LINE

Source Capacity/Throughput: 35.000 Tons/HR STEEL

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

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

[From Plan Approval Number 10-001H, Condition #11.]

II. TESTING REQUIREMENTS.

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

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

The permittee shall install and maintain at a conveniently readable location instrumentation to monitor the scrubber liquid flow rate and scrubber pressure drop.

[From Plan Approval Number 10-001H, Condition #4.]

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

For each week the source was in operation, the permittee shall record, on a weekly basis, the pressure drop across the control device and the water flow rate to the control device. A record shall be maintained to indicate the pressure drop and water flow rate. Records shall be kept on file for a period of 5 years and shall be made available to Department personnel upon request.

[From Plan Approval Number 10-001H, Condition #5.]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall perform monthly preventative maintenance inspection of the control device. A maintenance record shall be kept on file for a period of 5 years and shall be made available to Department personnel upon request.

[From Plan Approval Number 10-001H, Condition #6.]

**SECTION D. Source Level Requirements****# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The source and control device shall be operated and maintained in accordance with the manufacturer's specifications or in accordance with good air pollution control practices.

[From Plan Approval Number 10-001H, Condition #12.]

VII. ADDITIONAL REQUIREMENTS.

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

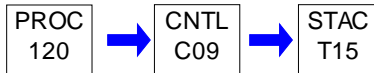
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 120

Source Name: #12 PICKLE LINE

Source Capacity/Throughput: 70.000 Tons/HR STEEL

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

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

The permittee shall record, on a weekly basis, the pressure drop across the control device and the water flow rate to the control device. A record shall be maintained to indicate the pressure drop and water flow rate. Records shall be kept on file for a period of 5 years and shall be made available to Department personnel upon request.

[PA: 10-001C condition 5]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

a) The permittee shall install and maintain at a conveniently readable location instrumentation to monitor the scrubber liquid flow rate and scrubber pressure drop.

b) The permittee shall perform monthly preventative maintenance inspection of the control device. A maintenance record shall be kept on file for a period of 5 years and shall be made available to Department personnel upon request.

c) The source and control device shall be maintained and operated in accordance with the manufacturer's specifications or in accordance with good air pollution control practices.

[PA: 10-001C conditions 4, 6, & 12]



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

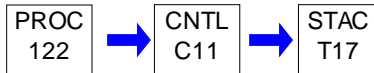
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 122

Source Name: #23 PICKLE LINE

Source Capacity/Throughput: 60.000 Tons/HR STEEL

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

No nitric acid is to be used in the pickling operations at this facility.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 25 PA Code 129.95.

The permittee shall install and maintain instrumentation to monitor the scrubber liquid flow rate and the scrubber pressure drop.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

a) The permittee shall record, weekly, during each week that the control device is operated, the pressure drop across the control device and the liquid flow rate to the control device.

b) The permittee shall maintain a record of when pickling operations are taking place at this source.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

a) The control device associated with this source (C11 - #23 Pickle Line Scrubber) shall be operated at all times when the source uses an acid based pickling solution. If no acid based solution is used, operation of the control device is optional.

b) The permittee shall perform a monthly preventative maintenance inspection of the control device during any month the control device is required to operate. If the control device is idle for an extended period of time, maintenance inspections

**SECTION D. Source Level Requirements**

shall be performed at least every six months.

c) The source and control device shall be maintained and operated in accordance with the manufacturer's specifications or in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 123E

Source Name: SHOTBLAST 23 EAST

Source Capacity/Throughput: 60.000 Tons/HR STEEL

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall install and maintain at a conveniently readable location a magnehelic guage or equivalent to indicate the pressure drop across the control device.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record, weekly, during each week the control device is in operation, the pressure drop across the control device.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

- a) The permittee shall perform a monthly preventative maintenance inspection of the control device.
- b) The source and control device shall be maintained and operated in accordance with the manufacturer's specifications or in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

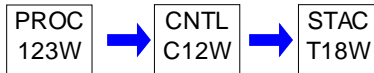
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 123W

Source Name: SHOTBLAST 23 WEST

Source Capacity/Throughput: 60.000 Tons/HR STEEL

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall install and maintain at a conveniently readable location a magnehelic guage or equivalent to indicate the pressure drop across the control device.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record, weekly, during each week the control device is in operation, the pressure drop across the control device.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

- a) The permittee shall perform a monthly preventative maintenance inspection of the control device.
- b) The source and control device shall be maintained and operated in accordance with the manufacturer's specifications or in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

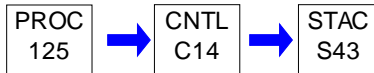
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 125

Source Name: #20 CARLITE ACID CLEAN

Source Capacity/Throughput: 15.000 Tons/HR STEEL

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain at a convenient location a magnehelic gauge or equivalent to indicate pressure drop across the control device and a water flow meter to indicate flow rate to the control device.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

a) The permittee shall record, weekly, during each week that the control device is operated, the pressure drop across the control device and the liquid flow rate to the control device.

b) The permittee shall maintain a record of when acid cleaning operations are taking place at this source.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 25 PA Code 129.93.

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

005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

a) The control device associated with this source (C14 - #20 Carlite Acid Fume Scrubber) shall be operated at all times when the source uses an acid based cleaning solution. If no acid based solution is used, operation of the control device is optional.

**SECTION D. Source Level Requirements**

- b) The permittee shall perform a monthly preventative maintenance inspection of the control device during any month the control device is required to operate. If the control device is idle for an extended period of time, maintenance inspections shall be performed at least every six months.
- c) The source and control device shall be maintained and operated in accordance with the manufacturer's specifications or in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

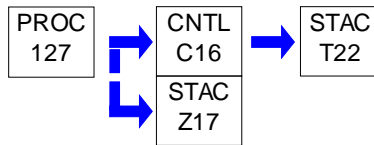
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 127

Source Name: #26 CARLITE ACID CLEAN

Source Capacity/Throughput: 25.000 Tons/HR STEEL

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain at a convenient location a magnehelic gauge or equivalent to indicate pressure drop across the control device and a water flow meter to indicate flow rate to the control device.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

For each week the source is operated, the permittee shall record, weekly, the pressure drop across the control device and the water flow rate to the control device.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 25 PA Code 129.93.

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

005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall perform a monthly preventative maintenance inspection of the control device.



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

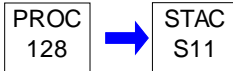
Source ID: 128

Source Name: DECARB FURNACE 1

Source Capacity/Throughput:

15.000 MCF/HR

Natural Gas

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

This source shall burn only natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.**What records must I keep?**

(a) You must keep records according to paragraphs (a)(1) and (2) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in § 63.10(b)(2)(xiv).

(2) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in § 63.10(b)(2)(viii).

(b) - (h) [Do not apply]

(i) You must maintain records of the calendar date, time, occurrence and duration of each startup and shutdown.

(j) You must maintain records of the type(s) and amount(s) of fuels used during each startup and shutdown.

**SECTION D. Source Level Requirements**

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7185, Jan. 31, 2013]

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****In what form and how long must I keep my records?**

- (a) Your records must be in a form suitable and readily available for expeditious review, according to § 63.10(b)(1).
- (b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- (c) You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1). You can keep the records off site for the remaining 3 years.

V. REPORTING REQUIREMENTS.**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****How do I demonstrate initial compliance with the emission limits and work practice standards?**

- (a) - (c) [Do not apply]
- (d) If you own or operate an existing unit with a heat input capacity of less than 10 million Btu per hour or a unit in the unit designed to burn gas 1 subcategory, you must submit a signed statement in the Notification of Compliance Status report that indicates that you conducted a tune-up of the unit.
- (e) You must include with the Notification of Compliance Status a signed certification that the energy assessment was completed according to Table 3 to this subpart and is an accurate depiction of your facility at the time of the assessment.
- (f) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in § 63.7545(e).
- (g) - (i) [Do not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7174, Jan. 31, 2013]

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What notifications must I submit and when?**

- (a) You must submit to the Administrator all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to you by the dates specified.
- (b) - (d) [Do not apply]
- (e) If you are required to conduct an initial compliance demonstration as specified in § 63.7530, you must submit a Notification of Compliance Status according to § 63.9(h)(2)(ii). For the initial compliance demonstration for each boiler or process heater, you must submit the Notification of Compliance Status, before the close of business on the 60th day following the completion of all 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), 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).

**SECTION D. Source Level Requirements**

(1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under § 241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of § 241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

(2) - (5) [Do not apply]

(6) A signed certification that you have met all applicable emission limits and work practice standards.

(7) If you had a deviation from any emission limit, work practice standard, or operating limit, you must also submit a description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report.

(8) In addition to the information required in § 63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

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

(ii) "This facility has had an energy assessment performed according to § 63.7530(e)."

(iii) Except for units that burn only natural gas, refinery gas, or other gas 1 fuel, or units that qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act, include the following: "No secondary materials that are solid waste were combusted in any affected unit."

(f) - (h) [Do not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013]

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

(a) You must submit each report in Table 9 to this subpart that applies to you.

[From Table 9 of Subpart DDDDD]

You must submit a Compliance Report annually as part of the Title V compliance reporting program.

The report must contain:

a. Information required in § 63.7550(c)(1) through (5); and

b. If there are no deviations from the requirements for work practice standards in Table 3 to this subpart that apply to you, a statement that there were no deviations from the work practice standards during the reporting period.

c. & d. [Do not apply]

(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 the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct an annual, biennial, or 5-year tune-up according to § 63.7540(a)(10), and not subject to emission limits or operating limits, you may submit only an annual compliance report, as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

(1) The first compliance report must cover the period beginning on the compliance date that is specified for each boiler or

**SECTION D. Source Level Requirements**

process heater in § 63.7495 and ending on July 31 or January 31, whichever date is the first date that occurs at least 180 days (or 1, 2, or 5 years, as applicable, if submitting an annual, biennial, or 5-year compliance report) after the compliance date that is specified for your source in § 63.7495.

(2) The first compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in § 63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Each subsequent 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.

(c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

(1) If the facility is subject to a the requirements of a tune up they must submit a compliance report with the information in paragraphs (c)(5)(i) through (iv) and (xiv) of this section.

(2) - (4) [Do not apply]

(5)(i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

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

(iv) The total operating time during the reporting period.

(v) - (xiii) [Do not apply]

(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.

(xv) - (xvii) [Do not apply]

(d) - (e) [Do not apply]

(f) - (g) [Reserved]

(h) [Does not apply]

[78 FR 7183, Jan. 31, 2013]

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.9]

Subpart A--General Provisions

Notification requirements.

(a) [Does not apply]

(b) Initial notifications.

**SECTION D. Source Level Requirements**

(1) (i) The requirements of this paragraph apply to the owner or operator of an affected source when such source becomes subject to a relevant standard.

(ii) [Does not apply]

(iii) Affected sources that are required under this paragraph to submit an initial notification may use the application for approval of construction or reconstruction under Sec. 63.5(d) of this subpart, if relevant, to fulfill the initial notification requirements of this paragraph.

(2) The owner or operator of an affected source that has an initial startup before the effective date of a relevant standard under this part shall notify the Administrator in writing that the source is subject to the relevant standard. The notification, which shall be submitted not later than 120 calendar days after the effective date of the relevant standard (or within 120 calendar days after the source becomes subject to the relevant standard), shall provide the following information:

(i) The name and address of the owner or operator;

(ii) The address (i.e., physical location) of the affected source;

(iii) An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date;

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

(v) A statement of whether the affected source is a major source or an area source.

(3) [Reserved]

(4) - (5) [Do not apply]

(c) Request for extension of compliance. If the owner or operator of an affected source cannot comply with a relevant standard by the applicable compliance date for that source, or if the owner or operator has installed BACT or technology to meet LAER consistent with Sec. 63.6(i)(5) of this subpart, he/she may submit to the Administrator (or the State with an approved permit program) a request for an extension of compliance as specified in Sec. 63.6(i)(4) through Sec. 63.6(i)(6).

(d) - (g) [Do not apply]

(h) Notification of compliance status.

(1) The requirements of paragraphs (h)(2) through (h)(4) of this section apply when an affected source becomes subject to a relevant standard.

(2) [Does not apply]

(3) After a title V permit has been issued to the owner or operator of an affected source, the owner or operator of such source shall comply with all requirements for compliance status reports contained in the source's title V permit, including reports required under this part. After a title V permit has been issued to the owner or operator of an affected source, and each time a notification of compliance status is required under this part, the owner or operator of such source shall submit the notification of compliance status to the appropriate permitting authority following completion of the relevant compliance demonstration activity specified in the relevant standard.

(4) [Reserved]

(5) [Does not apply]

**SECTION D. Source Level Requirements**

(6) Advice on a notification of compliance status may be obtained from the Administrator.

(i) - (j) [Do not apply]

[59 FR 12430, Mar. 16, 1994, as amended at 64 FR 7468, Feb. 12, 1999; 67 FR 16604, Apr. 5, 2002; 68 FR 32601, May 30, 2003]

VI. WORK PRACTICE REQUIREMENTS.**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

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

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What emission limits, work practice standards, and operating limits must I meet?**

(a) You must meet the requirements in paragraphs (a)(1) through (3) of this section, except as provided in paragraphs (b), through (e) of this section. You must meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of this section.

(1) You must meet each work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under § 63.7522.

(2) [Does not apply]

(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.

[From Table 3 of Subpart DDDDD]

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 conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions under this subpart.

If your unit is an existing boiler or process heater located at a major source facility you 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

**SECTION D. Source Level Requirements**

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.

(b) As provided in § 63.6(g), EPA may approve use of an alternative to the work practice standards in this section.

(c) - (d) [Do not apply]

(e) Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, or the operating limits in Table 4 to this subpart.

(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 Table 3 to this subpart.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013]

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7505]

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

What are my general requirements for complying with this subpart?

(a) You must be in compliance with the work practice standards in this subpart. These limits apply to you at all times the affected unit is operating except for the periods noted in § 63.7500(f).

(b) [Reserved]

(c) - (d) [Do not apply]

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]

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

What are my initial compliance requirements and by what date must I conduct them?

(a) - (d) [Do not apply]

(e) For existing affected sources (as defined in § 63.7490), you must complete the initial compliance demonstration, 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, except as specified in paragraph (j) of this section.

(f) - (i) [Do not apply]

(j) For existing affected sources (as defined in § 63.7490) that have not operated between the effective date of the rule and the compliance date that is specified for your source in § 63.7495, you must complete the initial compliance demonstration,

**SECTION D. Source Level Requirements**

if subject to the emission limits in Table 2 to this subpart, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the re-start of the affected source and according to the applicable provisions in § 63.7(a)(2) as cited in Table 10 to this subpart. You must complete an initial tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) no later than 30 days after the re-start of the affected source and, if applicable, complete the one-time energy assessment specified in Table 3 to this subpart, no later than the compliance date specified in § 63.7495.

[78 FR 7164, Jan. 31, 2013]

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****When must I conduct subsequent performance tests or fuel analyses?**

(a) - (c) [Do not apply]

(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual performance tune-up according to § 63.7540(a)(10). Each annual tune-up specified in § 63.7540(a)(10) must be no more than 13 months after the previous tune-up.

(e) - (f) [Do not apply]

(g) You must complete a subsequent tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) and the schedule described in § 63.7540(a)(13) for units that are not operating at the time of their scheduled tune-up.

(h) - (i) [Do not apply]

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****How do I demonstrate continuous compliance with the emission limits and work practice standards?**

(a) You must demonstrate continuous compliance with the work practice standards in Table 3 to this subpart according to the methods specified in paragraphs (a)(1) through (19) of this section.

(1) - (9) [Do not apply]

(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.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the

**SECTION D. Source Level Requirements**

same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

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

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

(11) - (12) [Do not apply]

(13) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

(14) - (19) [Do not apply]

(b) - (d) [Do not apply]

[78 FR 7179, Jan. 31, 2013]

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

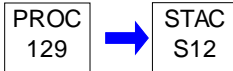
Source ID: 129

Source Name: SILICON DRYING FURNACE 1

Source Capacity/Throughput:

11.000 MCF/HR

Natural Gas

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

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).**# 003 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

This source shall burn only natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

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



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

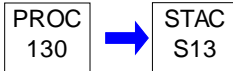
Source ID: 130

Source Name: DECARB FURNACE 6

Source Capacity/Throughput:

13.000 MCF/HR

Natural Gas

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

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).**# 003 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

This source shall burn only natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What records must I keep?**

(a) You must keep records according to paragraphs (a)(1) and (2) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in § 63.10(b)(2)(xiv).

(2) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in § 63.10(b)(2)(viii).

(b) - (h) [Do not apply]

(i) You must maintain records of the calendar date, time, occurrence and duration of each startup and shutdown.

(j) You must maintain records of the type(s) and amount(s) of fuels used during each startup and shutdown.

**SECTION D. Source Level Requirements**

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7185, Jan. 31, 2013]

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****In what form and how long must I keep my records?**

(a) Your records must be in a form suitable and readily available for expeditious review, according to § 63.10(b)(1).

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

(c) You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1). You can keep the records off site for the remaining 3 years.

V. REPORTING REQUIREMENTS.**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****How do I demonstrate initial compliance with the emission limits and work practice standards?**

(a) - (c) [Do not apply]

(d) If you own or operate an existing unit with a heat input capacity of less than 10 million Btu per hour or a unit in the unit designed to burn gas 1 subcategory, you must submit a signed statement in the Notification of Compliance Status report that indicates that you conducted a tune-up of the unit.

(e) You must include with the Notification of Compliance Status a signed certification that the energy assessment was completed according to Table 3 to this subpart and is an accurate depiction of your facility at the time of the assessment.

(f) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in § 63.7545(e).

(g) - (i) [Do not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7174, Jan. 31, 2013]

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What notifications must I submit and when?**

(a) You must submit to the Administrator all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to you by the dates specified.

(b) - (d) [Do not apply]

(e) If you are required to conduct an initial compliance demonstration as specified in § 63.7530, you must submit a Notification of Compliance Status according to § 63.9(h)(2)(ii). For the initial compliance demonstration for each boiler or process heater, you must submit the Notification of Compliance Status, before the close of business on the 60th day following the completion of all 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), 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).

**SECTION D. Source Level Requirements**

(1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under § 241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of § 241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

(2) - (5) [Do not apply]

(6) A signed certification that you have met all applicable emission limits and work practice standards.

(7) If you had a deviation from any emission limit, work practice standard, or operating limit, you must also submit a description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report.

(8) In addition to the information required in § 63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

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

(ii) "This facility has had an energy assessment performed according to § 63.7530(e)."

(iii) Except for units that burn only natural gas, refinery gas, or other gas 1 fuel, or units that qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act, include the following: "No secondary materials that are solid waste were combusted in any affected unit."

(f) - (h) [Do not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013]

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

(a) You must submit each report in Table 9 to this subpart that applies to you.

[From Table 9 of Subpart DDDDD]

You must submit a Compliance Report annually as part of the Title V compliance reporting program.

The report must contain:

a. Information required in § 63.7550(c)(1) through (5); and

b. If there are no deviations from the requirements for work practice standards in Table 3 to this subpart that apply to you, a statement that there were no deviations from the work practice standards during the reporting period.

c. & d. [Do not apply]

(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 the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct an annual, biennial, or 5-year tune-up according to § 63.7540(a)(10), and not subject to emission limits or operating limits, you may submit only an annual compliance report, as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

(1) The first compliance report must cover the period beginning on the compliance date that is specified for each boiler or

**SECTION D. Source Level Requirements**

process heater in § 63.7495 and ending on July 31 or January 31, whichever date is the first date that occurs at least 180 days (or 1, 2, or 5 years, as applicable, if submitting an annual, biennial, or 5-year compliance report) after the compliance date that is specified for your source in § 63.7495.

(2) The first compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in § 63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Each subsequent 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.

(c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

(1) If the facility is subject to a the requirements of a tune up they must submit a compliance report with the information in paragraphs (c)(5)(i) through (iv) and (xiv) of this section.

(2) - (4) [Do not apply]

(5)(i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

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

(iv) The total operating time during the reporting period.

(v) - (xiii) [Do not apply]

(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.

(xv) - (xvii) [Do not apply]

(d) - (e) [Do not apply]

(f) - (g) [Reserved]

(h) [Does not apply]

[78 FR 7183, Jan. 31, 2013]

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.9]

Subpart A--General Provisions

Notification requirements.

(a) [Does not apply]

(b) Initial notifications.

**SECTION D. Source Level Requirements**

(1) (i) The requirements of this paragraph apply to the owner or operator of an affected source when such source becomes subject to a relevant standard.

(ii) [Does not apply]

(iii) Affected sources that are required under this paragraph to submit an initial notification may use the application for approval of construction or reconstruction under Sec. 63.5(d) of this subpart, if relevant, to fulfill the initial notification requirements of this paragraph.

(2) The owner or operator of an affected source that has an initial startup before the effective date of a relevant standard under this part shall notify the Administrator in writing that the source is subject to the relevant standard. The notification, which shall be submitted not later than 120 calendar days after the effective date of the relevant standard (or within 120 calendar days after the source becomes subject to the relevant standard), shall provide the following information:

(i) The name and address of the owner or operator;

(ii) The address (i.e., physical location) of the affected source;

(iii) An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date;

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

(v) A statement of whether the affected source is a major source or an area source.

(3) [Reserved]

(4) - (5) [Do not apply]

(c) Request for extension of compliance. If the owner or operator of an affected source cannot comply with a relevant standard by the applicable compliance date for that source, or if the owner or operator has installed BACT or technology to meet LAER consistent with Sec. 63.6(i)(5) of this subpart, he/she may submit to the Administrator (or the State with an approved permit program) a request for an extension of compliance as specified in Sec. 63.6(i)(4) through Sec. 63.6(i)(6).

(d) - (g) [Do not apply]

(h) Notification of compliance status.

(1) The requirements of paragraphs (h)(2) through (h)(4) of this section apply when an affected source becomes subject to a relevant standard.

(2) [Does not apply]

(3) After a title V permit has been issued to the owner or operator of an affected source, the owner or operator of such source shall comply with all requirements for compliance status reports contained in the source's title V permit, including reports required under this part. After a title V permit has been issued to the owner or operator of an affected source, and each time a notification of compliance status is required under this part, the owner or operator of such source shall submit the notification of compliance status to the appropriate permitting authority following completion of the relevant compliance demonstration activity specified in the relevant standard.

(4) [Reserved]

(5) [Does not apply]

**SECTION D. Source Level Requirements**

(6) Advice on a notification of compliance status may be obtained from the Administrator.

(i) - (j) [Do not apply]

[59 FR 12430, Mar. 16, 1994, as amended at 64 FR 7468, Feb. 12, 1999; 67 FR 16604, Apr. 5, 2002; 68 FR 32601, May 30, 2003]

VI. WORK PRACTICE REQUIREMENTS.**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

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

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What emission limits, work practice standards, and operating limits must I meet?**

(a) You must meet the requirements in paragraphs (a)(1) through (3) of this section, except as provided in paragraphs (b), through (e) of this section. You must meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of this section.

(1) You must meet each work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under § 63.7522.

(2) [Does not apply]

(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.

[From Table 3 of Subpart DDDDD]

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 conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions under this subpart.

If your unit is an existing boiler or process heater located at a major source facility you 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

**SECTION D. Source Level Requirements**

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.

 (b) As provided in § 63.6(g), EPA may approve use of an alternative to the work practice standards in this section.

(c) - (d) [Do not apply]

(e) Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, or the operating limits in Table 4 to this subpart.

(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 Table 3 to this subpart.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013]

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7505]

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

What are my general requirements for complying with this subpart?

(a) You must be in compliance with the work practice standards in this subpart. These limits apply to you at all times the affected unit is operating except for the periods noted in § 63.7500(f).

(b) [Reserved]

(c) - (d) [Do not apply]

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]

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

What are my initial compliance requirements and by what date must I conduct them?

(a) - (d) [Do not apply]

(e) For existing affected sources (as defined in § 63.7490), you must complete the initial compliance demonstration, 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, except as specified in paragraph (j) of this section.

(f) - (i) [Do not apply]

(j) For existing affected sources (as defined in § 63.7490) that have not operated between the effective date of the rule and the compliance date that is specified for your source in § 63.7495, you must complete the initial compliance demonstration,

**SECTION D. Source Level Requirements**

if subject to the emission limits in Table 2 to this subpart, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the re-start of the affected source and according to the applicable provisions in § 63.7(a)(2) as cited in Table 10 to this subpart. You must complete an initial tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) no later than 30 days after the re-start of the affected source and, if applicable, complete the one-time energy assessment specified in Table 3 to this subpart, no later than the compliance date specified in § 63.7495.

[78 FR 7164, Jan. 31, 2013]

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****When must I conduct subsequent performance tests or fuel analyses?**

(a) - (c) [Do not apply]

(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual performance tune-up according to § 63.7540(a)(10). Each annual tune-up specified in § 63.7540(a)(10) must be no more than 13 months after the previous tune-up.

(e) - (f) [Do not apply]

(g) You must complete a subsequent tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) and the schedule described in § 63.7540(a)(13) for units that are not operating at the time of their scheduled tune-up.

(h) - (i) [Do not apply]

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****How do I demonstrate continuous compliance with the emission limits and work practice standards?**

(a) You must demonstrate continuous compliance with the work practice standards in Table 3 to this subpart according to the methods specified in paragraphs (a)(1) through (19) of this section.

(1) - (9) [Do not apply]

(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.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the

**SECTION D. Source Level Requirements**

same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

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

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

(11) - (12) [Do not apply]

(13) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

(14) - (19) [Do not apply]

(b) - (d) [Do not apply]

[78 FR 7179, Jan. 31, 2013]

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

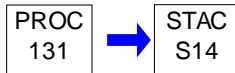
Source ID: 131

Source Name: SILICON DRYING FURNACE 6

Source Capacity/Throughput:

9.950 MCF/HR

Natural Gas

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

This source shall burn only natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 25 PA Code 129.93.

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



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

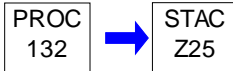
Source ID: 132

Source Name: PREHEAT FURNACE 11

Source Capacity/Throughput:

3.200 MCF/HR

Natural Gas

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

This source shall burn only natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 25 PA Code 129.93.

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



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

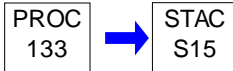
Source ID: 133

Source Name: SILICON DRYING FURNACE 11

Source Capacity/Throughput:

14.000 MCF/HR

Natural Gas

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

This source shall burn only natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 25 PA Code 129.93.

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



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

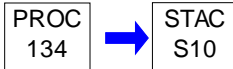
Source ID: 134

Source Name: PREHEAT FURNACE 19

Source Capacity/Throughput:

9.000 MCF/HR

Natural Gas

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

This source shall burn only natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 25 PA Code 129.93.

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



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

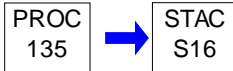
Source ID: 135

Source Name: SILICON DRYING FURNACE 19

Source Capacity/Throughput:

13.000 MCF/HR

Natural Gas

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

This source shall burn only natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 25 PA Code 129.93.

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



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

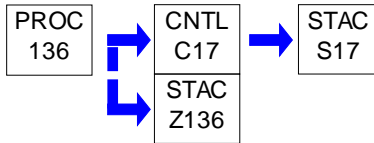
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 136

Source Name: AOD REACTOR

Source Capacity/Throughput:

N/A
250.000 Tons/HRNatural Gas
STEEL**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

a) The following parameters will be monitored as part of the CAM plan.

(1) Inlet Pressure-

The permittee shall check the inlet pressure of the control device using a static pressure transducer at least once for each shift that Source ID: 136 is operated.

(2) Visible Observations-

The permittee shall perform daily Method 22 observations of each exhaust port associated with this control device, while Source ID: 136 is in operation, during each day the source is operated during daylight hours.

(3) Preventive Maintenance-

The permittee shall perform monthly preventive maintenance inspections of the control device and associated equipment.

b) The following indicator ranges will be part of the CAM plan.

(1) Inlet Pressure-

The inlet pressure of the control device shall be maintained between 3 and 17 inches of H₂O during all periods of Source ID: 136 operation. An excursion will trigger an inspection, corrective action and possibly malfunction reporting.

(2) Visible Emissions-

**SECTION D. Source Level Requirements**

The absence of any visible emissions will indicate proper operation of the control device. An excursion is the presence of any visible emissions. An excursion will trigger an inspection, corrective action and possibly malfunction reporting.

(3) Preventative Maintenance-

NA

[Additional authority for this permit condition is derived form 40 CFR §64.6 and §64.3.]

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Data Collection Procedures

(1) Inlet Pressure-

The permittee shall manually record the pressure readings every shift that the AOD is operated. A hard copy of the data is to be retained for five (5) years.

(2) Visible Emissions-

The permittee shall manually record the results of the Method 22 observations each day that the source is operated. A hard copy of the data is to be retained for five (5) years.

(3) Preventative Maintenance-

Records of the monthly preventative maintenance inspections shall be kept and retained for five (5) years.

[Additional authority for this permit condition is derived form 40 CFR §64.9(b).]

V. REPORTING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall report all excursions, the dates, times, durations, possible causes, and corrective actions taken, on their semi-annual deviation report.

[Additional authority for this permit condition is derived form 40 CFR §64.9.]

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following are CAM related requirements:

The permittee shall report the following information to the Department every six (6) months:

(1) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken:

(2) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and

(3) A description of the actions taken to implement a quality improvement plan (QIP) during the semi-annual reporting period. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

**SECTION D. Source Level Requirements**

[Additional authority for this permit condition is also derived from 40 CFR § 64.9(a).]

VI. WORK PRACTICE REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

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

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

a) The following data will be represented as part of the CAM plan

(1) Inlet Pressure-

Pressure reading is to be measured at the baghouse inlet. The minimum accuracy of the pressure transducer shall be +/- 0.5 inches of H₂O.

(2) Visible Emissions-

Method 22 observations are to be performed at the baghouse exhaust, while the source is operating, during each day the AOD is operated during daylight hours.

(3) Preventative Maintenance-

Monthly Preventative maintenance inspections are to be performed at the fans, compartments, hoppers, screws, conveyors and silos.

b) Verification of Operational Status

(1) Inlet Pressure-

Operational status is verified by operator and/or other qualified personnel.

(2) Visible Emissions-

Operational status is verified by operator and/or other qualified personnel.

(3) Preventative Maintenance-

Operational status is verified by operator and/or other qualified personnel.

c) QA/QC Practices and Criteria

(1) Inlet Pressure-

Pressure transducer is to be calibrated or replaced with a certified unit annually. Pressure taps are to be checked monthly for plugging.

(2) Visible Emissions-

**SECTION D. Source Level Requirements**

Operators and/or other qualified personnel are to be trained for Reference Method 22 observations.

(3) Preventative Maintenance-

Qualified maintenance personnel shall perform maintenance inspections.

[Additional authority for this permit condition is derived from 40 CFR §64.4.]

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following are CAM related requirements:

(a) Commencement of operation. The owner or operator shall conduct the monitoring required under this part upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to §64.6(d).

(b) Proper maintenance. At all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

(c) Continued operation. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(d) Response to excursions or exceedances.

(1) Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(2) Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

(e) Documentation of need for improved monitoring. After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the permitting authority and, if necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

**SECTION D. Source Level Requirements**

[Additional authority for part (a) to (e) of this permit condition is also derived from 40 CFR §64.7]

VII. ADDITIONAL REQUIREMENTS.**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The following are CAM related requirements:

(a) The permittee shall develop and implement a quality improvement plan (QIP) if any of the following occurs:

- (1) Nine excursions of any single parameter occur in a six-month reporting period.
- (2) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(b) Elements of a QIP:

- (1) The owner or operator shall maintain a written QIP, if required, and have it available for inspection.
- (2) The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as appropriate;
 - (i) Improved preventive maintenance practice.
 - (ii) Process operation changes.
 - (iii) Appropriate improvements to control methods.
 - (iv) Other steps appropriate to correct control performance.
 - (v) More frequent or improved monitoring (only in conjunction with one or more steps under paragraphs (b)(2)(i) through (iv) of this section).

(c) If a QIP is required, the owner or operator shall develop and implement a QIP as expeditiously as practicable and shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(d) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

- (1) Address the cause of the control device performance problem.
- (2) Provide adequate procedures for correcting control device performance problems in as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(e) Implementation of a QIP, shall not excuse the permittee from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

[Additional authority for the following permit conditions are also derived from 40 CFR §64.8]

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

**SECTION D. Source Level Requirements**

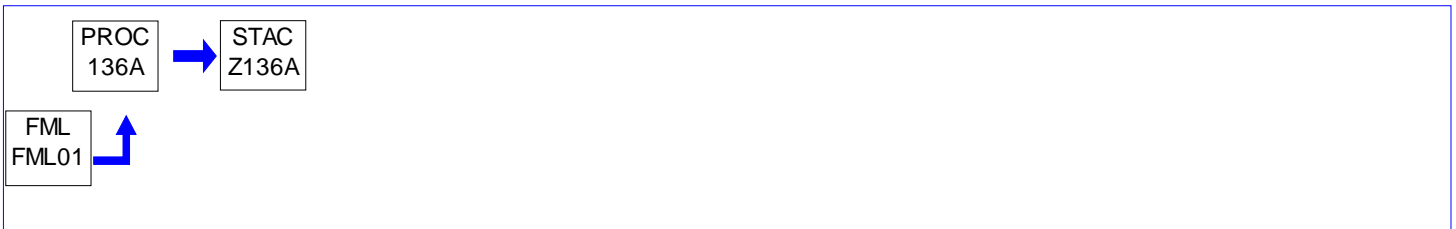
Source ID: 136A

Source Name: AOD PREHEATER

Source Capacity/Throughput:

18.600 MCF/HR

Natural Gas

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

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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



SECTION D. Source Level Requirements

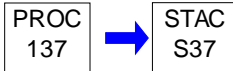
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 137

Source Name: SLAB HEATING FURNACE 8

Source Capacity/Throughput:	210.000 MCF/HR	Natural Gas
	70.000 Tons/HR	STEEL

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

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Throughput Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.92.

The permittee shall limit fuel consumption to 600,000 mcf/yr based on a consecutive 12-month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall record each adjustment conducted in a permanent record keeping system. These records shall contain, at a minimum, the following:

1. The date of the tuning procedure
2. The name of the service company and technicians
3. The final operating rate or load
4. The final CO and NO_x emission rates
5. The final excess oxygen rate

005 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain monthly records of the fuel consumption to each furnace.

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

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

VI. WORK PRACTICE REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall perform annual burner maintenance, adjusting and testing. This adjustment shall include, at a minimum, the following:

1. Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
2. Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable minimize emissions of CO.
3. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

007 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 140

Source Name: #2 CONTINUOUS CASTER

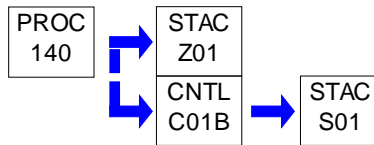
Source Capacity/Throughput:

8.000 MCF/HR

Natural Gas

165.000 Tons/HR

STEEL

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

Total allowable emission rates for Baghouse #3 (C01B) are given below:

1. Particulate Matter/PM10 0.0036 gr/dscf
2. Particulate Matter/PM10 29.9 lbs/hr
3. Particulate Matter/PM10 130.8 tpy based on a consecutive 12-month period
4. Carbon Monoxide 164.0 lbs/hr based on 30-day rolling average
5. Carbon Monoxide 718.3 tpy based on a consecutive 12-month period

[Plan Approval Number: 10-001B, Condition #10 and Plan Approval Number: 10-001I, Condition #7]

[Compliance with the requirement specified in part (1) of this streamlined permit condition assures compliance with the provisions in: 25 PA Code 123.13]

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

Authority for this condition is also derived from 25 PA Code 129.92.

The NO_x emission limit for the #3 baghouse (Control #C01B) inlet shall not exceed 75 lb/hr. The NO_x emissions to the baghouse may include during normal or maximum melt shop operating conditions contributions from the electric arc furnaces, casters, east argon stirring station, ladle preheaters, and various miscellaneous combustion sources located in the Melt Shop Building. Compliance with this #3 Baghouse emission limit shall be monitored by annual stack testing with the results being averaged and compared to the limit to show compliance.

II. TESTING REQUIREMENTS.**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

a) Compliance with the CO emission limits shall be shown through an initial stack test and annual stack test thereafter outlined below.

b) Compliance with the CO emission limits for the melt shop shall be demonstrated by way of an annual stack test. Stack testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection and the most current edition of the Department's "Source Testing Manual" for CO emissions. The stack test shall be performed while the melt shop is operating at maximum or normal rated capacity.

1) Within 60 days of performing a stack test, three copies of a protocol shall be submitted in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The protocol shall contain, at a minimum, location of sampling ports, planned production rates, and any other information applicable to the

SECTION D. Source Level Requirements

stack testing. Performance of a stack test prior to Department approval of the protocol may invalidate the results.

2) At least 2 weeks prior to the test, the Department shall be informed, in writing, of the date and time of the test.

3) Within 60 days after completion of stack testing, three copies of the complete test report, including, but not limited to, production rates during testing, calculation methods and results, and any other applicable testing information that will allow for a complete review of the test and results, shall be submitted to the Department for approval.

4) Actions Related to Noncompliance Demonstrated by a Stack Test:

[From Plan Approval Number 10-0011, Condition #s 7 and 8.]

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

Authority for this condition is also derived from 129.92.

The permittee shall perform an annual stack test on #3 Baghouse inlet to show compliance with the 75 lb/hr NOx emission limit. The stack test shall consist of a minimum of three (3) eight (8) hour stack tests utilizing a Department approved method. The results of all stack tests shall be averaged and compared with the emission limitation to show compliance.

III. MONITORING REQUIREMENTS.**# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall install and maintain at a conveniently readable location a magnehelic gauge or equivalent to indicate the pressure drop across the control device Baghouse #3 (C01B).

[PA: 10-001B Condition 12]

IV. RECORDKEEPING REQUIREMENTS.**# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

a) The permittee shall record, daily, the pressure drop across the control device Baghouse #3 (C01B).

b) The permittee shall maintain a record of all preventive maintenance inspections of the control device Baghouse #3 (C01B). The inspection records, at a minimum, shall contain the dates of the inspections, any potential problems or defects that were encountered and steps taken to correct them.

[PA: 10-001B Conditions 13 and 14]

V. REPORTING REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.95.

The permittee shall notify the Department of the date and time of any testing, at least two (2) weeks prior to the test.

009 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall submit to the Department, within sixty (60) days after completion of the stack test, two (2) copies of the complete test report including all operating conditions for approval.

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provisions in: PA 10-307-045 Condition #10 & RACT OP 10-001M Condition #9]

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

The permittee shall submit to the Department, at least sixty (60) days before the scheduled stack test, two (2) copies of the stack test procedure and a sketch with the dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples for approval.

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provisions in: PA 10-307-045 Condition #7 & RACT OP 10-001M Condition #6]

VI. WORK PRACTICE REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

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

012 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall perform an annual visual inspection of the baghouse bags for any tear or damage.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 141

Source Name: #3 CONTINUOUS CASTER

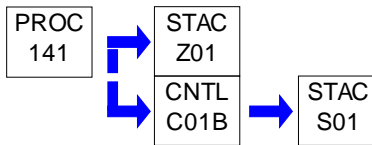
Source Capacity/Throughput:

8.000 MCF/HR

Natural Gas

165.000 Tons/HR

STEEL

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

Total allowable emission rates for Baghouse #3 (C01B) are given below:

1. Particulate Matter/PM10 0.0036 gr/dscf
2. Particulate Matter/PM10 29.9 lbs/hr
3. Particulate Matter/PM10 130.8 tpy based on a consecutive 12-month period
4. Carbon Monoxide 164.0 lbs/hr based on 30-day rolling average
5. Carbon Monoxide 718.3 tpy based on a consecutive 12-month period

[Plan Approval Number: 10-001B, Condition #10 and Plan Approval Number: 10-001I, Condition #7]

[Compliance with the requirement specified in part (1) of this streamlined permit condition assures compliance with the provisions in: 25 PA Code 123.13]

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

Authority for this condition is also derived from 25 PA Code 129.92.

The NO_x emission limit for the #3 baghouse (Control #C01B) inlet shall not exceed 75 lb/hr. The NO_x emissions to the baghouse may include during normal or maximum melt shop operating conditions contributions from the electric arc furnaces, casters, east argon stirring station, ladle preheaters, and various miscellaneous combustion sources located in the Melt Shop Building. Compliance with this #3 Baghouse emission limit shall be monitored by annual stack testing with the results being averaged and compared to the limit to show compliance.

II. TESTING REQUIREMENTS.**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

a) Compliance with the CO emission limits shall be shown through an initial stack test and annual stack test thereafter outlined below.

b) Compliance with the CO emission limits for the melt shop shall be demonstrated by way of an annual stack test. Stack testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection and the most current edition of the Department's "Source Testing Manual" for CO emissions. The stack test shall be performed while the melt shop is operating at maximum or normal rated capacity.

1) Within 60 days of performing a stack test, three copies of a protocol shall be submitted in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The protocol shall contain, at a minimum, location of sampling ports, planned production rates, and any other information applicable to the

SECTION D. Source Level Requirements

stack testing. Performance of a stack test prior to Department approval of the protocol may invalidate the results.

2) At least 2 weeks prior to the test, the Department shall be informed, in writing, of the date and time of the test.

3) Within 60 days after completion of stack testing, three copies of the complete test report, including, but not limited to, production rates during testing, calculation methods and results, and any other applicable testing information that will allow for a complete review of the test and results, shall be submitted to the Department for approval.

4) Actions Related to Noncompliance Demonstrated by a Stack Test:

[From Plan Approval Number 10-0011, Condition #s 7 and 8.]

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

Authority for this condition is also derived from 129.92.

The permittee shall perform an annual stack test on #3 Baghouse inlet to show compliance with the 75 lb/hr NO_x emission limit. The stack test shall consist of a minimum of three (3) eight (8) hour stack tests utilizing a Department approved method. The results of all stack tests shall be averaged and compared with the emission limitation to show compliance.

III. MONITORING REQUIREMENTS.**# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall install and maintain at a conveniently readable location a magnehelic gauge or equivalent to indicate the pressure drop across the control device Baghouse #3 (C01B).

[PA: 10-001B Condition 12]

IV. RECORDKEEPING REQUIREMENTS.**# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

a) The permittee shall record, daily, the pressure drop across the control device Baghouse #3 (C01B).

b) The permittee shall maintain a record of all preventive maintenance inspections of the control device Baghouse #3 (C01B). The inspection records, at a minimum, shall contain the dates of the inspections, any potential problems or defects that were encountered and steps taken to correct them.

[PA: 10-001B Conditions 13 and 14]

V. REPORTING REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.95.

The permittee shall notify the Department of the date and time of any testing, at least two (2) weeks prior to the test.

009 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall submit to the Department, at least sixty (60) days before the scheduled stack test, two (2) copies of the stack test procedure and a sketch with the dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples for approval.

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provisions in: PA 10-307-045 Condition # 7 & RACT OP 10-001M Condition #6]

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

The permittee shall submit to the Department, within sixty (60) days after completion of the stack test, two (2) copies of the complete test report including all operating conditions for approval.

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provisions in: PA 10-307-045 Condition #10 & RACT OP 10-001M Condition #9]

VI. WORK PRACTICE REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

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

012 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall perform an annual visual inspection of the baghouse bags for any tear or damage.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 148

Source Name: CRNO LINE ANNEAL FURNACE

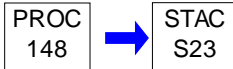
Source Capacity/Throughput:

31.000 MCF/HR

Natural Gas

31.000 Tons/HR

STEEL

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The source shall burn only natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall record each adjustment conducted in a permanent record keeping system. This record shall contain, at a minimum, the following:

1. The date of the tuning procedure
2. The name of the service company and technicians
3. The final operating rate or load
4. The final CO and NO_x emission rates
5. The final excess oxygen rate

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.**What records must I keep?**

(a) You must keep records according to paragraphs (a)(1) and (2) of this section.

**SECTION D. Source Level Requirements**

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in § 63.10(b)(2)(xiv).

(2) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in § 63.10(b)(2)(viii).

(b) - (h) [Do not apply]

(i) You must maintain records of the calendar date, time, occurrence and duration of each startup and shutdown.

(j) You must maintain records of the type(s) and amount(s) of fuels used during each startup and shutdown.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7185, Jan. 31, 2013]

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]

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

In what form and how long must I keep my records?

(a) Your records must be in a form suitable and readily available for expeditious review, according to § 63.10(b)(1).

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

(c) You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1). You can keep the records off site for the remaining 3 years.

V. REPORTING REQUIREMENTS.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]

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

How do I demonstrate initial compliance with the emission limits and work practice standards?

(a) - (c) [Do not apply]

(d) If you own or operate an existing unit with a heat input capacity of less than 10 million Btu per hour or a unit in the unit designed to burn gas 1 subcategory, you must submit a signed statement in the Notification of Compliance Status report that indicates that you conducted a tune-up of the unit.

(e) You must include with the Notification of Compliance Status a signed certification that the energy assessment was completed according to Table 3 to this subpart and is an accurate depiction of your facility at the time of the assessment.

(f) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in § 63.7545(e).

(g) - (i) [Do not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7174, Jan. 31, 2013]

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

(a) You must submit to the Administrator all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to you by the dates specified.

**SECTION D. Source Level Requirements**

(b) - (d) [Do not apply]

(e) If you are required to conduct an initial compliance demonstration as specified in § 63.7530, you must submit a Notification of Compliance Status according to § 63.9(h)(2)(ii). For the initial compliance demonstration for each boiler or process heater, you must submit the Notification of Compliance Status, before the close of business on the 60th day following the completion of all 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), 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).

(1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under § 241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of § 241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

(2) - (5) [Do not apply]

(6) A signed certification that you have met all applicable emission limits and work practice standards.

(7) If you had a deviation from any emission limit, work practice standard, or operating limit, you must also submit a description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report.

(8) In addition to the information required in § 63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

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

(ii) "This facility has had an energy assessment performed according to § 63.7530(e)."

(iii) Except for units that burn only natural gas, refinery gas, or other gas 1 fuel, or units that qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act, include the following: "No secondary materials that are solid waste were combusted in any affected unit."

(f) - (h) [Do not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013]

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

(a) You must submit each report in Table 9 to this subpart that applies to you.

[From Table 9 of Subpart DDDDD]

You must submit a Compliance Report annually as part of the Title V compliance reporting program.

The report must contain:

a. Information required in § 63.7550(c)(1) through (5); and

b. If there are no deviations from the requirements for work practice standards in Table 3 to this subpart that apply to you, a statement that there were no deviations from the work practice standards during the reporting period.

**SECTION D. Source Level Requirements**

c. & d. [Do not apply]

(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 the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct an annual, biennial, or 5-year tune-up according to § 63.7540(a)(10), and not subject to emission limits or operating limits, you may submit only an annual compliance report, as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

(1) 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 July 31 or January 31, whichever date is the first date that occurs at least 180 days (or 1, 2, or 5 years, as applicable, if submitting an annual, biennial, or 5-year compliance report) after the compliance date that is specified for your source in § 63.7495.

(2) The first compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in § 63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Each subsequent 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.

(c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

(1) If the facility is subject to a the requirements of a tune up they must submit a compliance report with the information in paragraphs (c)(5)(i) through (iv) and (xiv) of this section.

(2) - (4) [Do not apply]

(5)(i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

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

(iv) The total operating time during the reporting period.

(v) - (xiii) [Do not apply]

(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.

(xv) - (xvii) [Do not apply]

(d) - (e) [Do not apply]

(f) - (g) [Reserved]

(h) [Does not apply]

**SECTION D. Source Level Requirements**

[78 FR 7183, Jan. 31, 2013]

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.9]

Subpart A--General Provisions

Notification requirements.

(a) [Does not apply]

(b) Initial notifications.

(1) (i) The requirements of this paragraph apply to the owner or operator of an affected source when such source becomes subject to a relevant standard.

(ii) [Does not apply]

(iii) Affected sources that are required under this paragraph to submit an initial notification may use the application for approval of construction or reconstruction under Sec. 63.5(d) of this subpart, if relevant, to fulfill the initial notification requirements of this paragraph.

(2) The owner or operator of an affected source that has an initial startup before the effective date of a relevant standard under this part shall notify the Administrator in writing that the source is subject to the relevant standard. The notification, which shall be submitted not later than 120 calendar days after the effective date of the relevant standard (or within 120 calendar days after the source becomes subject to the relevant standard), shall provide the following information:

(i) The name and address of the owner or operator;

(ii) The address (i.e., physical location) of the affected source;

(iii) An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date;

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

(v) A statement of whether the affected source is a major source or an area source.

(3) [Reserved]

(4) - (5) [Do not apply]

(c) Request for extension of compliance. If the owner or operator of an affected source cannot comply with a relevant standard by the applicable compliance date for that source, or if the owner or operator has installed BACT or technology to meet LAER consistent with Sec. 63.6(i)(5) of this subpart, he/she may submit to the Administrator (or the State with an approved permit program) a request for an extension of compliance as specified in Sec. 63.6(i)(4) through Sec. 63.6(i)(6).

(d) - (g) [Do not apply]

(h) Notification of compliance status.

(1) The requirements of paragraphs (h)(2) through (h)(4) of this section apply when an affected source becomes subject to a relevant standard.

(2) [Does not apply]

**SECTION D. Source Level Requirements**

(3) After a title V permit has been issued to the owner or operator of an affected source, the owner or operator of such source shall comply with all requirements for compliance status reports contained in the source's title V permit, including reports required under this part. After a title V permit has been issued to the owner or operator of an affected source, and each time a notification of compliance status is required under this part, the owner or operator of such source shall submit the notification of compliance status to the appropriate permitting authority following completion of the relevant compliance demonstration activity specified in the relevant standard.

(4) [Reserved]

(5) [Does not apply]

(6) Advice on a notification of compliance status may be obtained from the Administrator.

(i) - (j) [Do not apply]

[59 FR 12430, Mar. 16, 1994, as amended at 64 FR 7468, Feb. 12, 1999; 67 FR 16604, Apr. 5, 2002; 68 FR 32601, May 30, 2003]

VI. WORK PRACTICE REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall perform an annual adjustment or tuneup. This adjustment shall include, at a minimum, the following:

1. Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
2. Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable minimize emissions of CO.
3. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

012 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

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

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What emission limits, work practice standards, and operating limits must I meet?**

(a) You must meet the requirements in paragraphs (a)(1) through (3) of this section, except as provided in paragraphs (b), through (e) of this section. You must meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of this section.

(1) You must meet each work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under § 63.7522.

(2) [Does not apply]

(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

**SECTION D. Source Level Requirements**

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.

 [From Table 3 of Subpart DDDDD]

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 conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions under this subpart.

If your unit is an existing boiler or process heater located at a major source facility you 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.

 (b) As provided in § 63.6(g), EPA may approve use of an alternative to the work practice standards in this section.

(c) - (d) [Do not apply]

(e) Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, or the operating limits in Table 4 to this subpart.

(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 Table 3 to this subpart.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013]

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7505]

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

What are my general requirements for complying with this subpart?

(a) You must be in compliance with the work practice standards in this subpart. These limits apply to you at all times the

**SECTION D. Source Level Requirements**

affected unit is operating except for the periods noted in § 63.7500(f).

(b) [Reserved]

(c) - (d) [Do not apply]

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]

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

What are my initial compliance requirements and by what date must I conduct them?

(a) - (d) [Do not apply]

(e) For existing affected sources (as defined in § 63.7490), you must complete the initial compliance demonstration, 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, except as specified in paragraph (j) of this section.

(f) - (i) [Do not apply]

(j) For existing affected sources (as defined in § 63.7490) that have not operated between the effective date of the rule and the compliance date that is specified for your source in § 63.7495, you must complete the initial compliance demonstration, if subject to the emission limits in Table 2 to this subpart, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the re-start of the affected source and according to the applicable provisions in § 63.7(a)(2) as cited in Table 10 to this subpart. You must complete an initial tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) no later than 30 days after the re-start of the affected source and, if applicable, complete the one-time energy assessment specified in Table 3 to this subpart, no later than the compliance date specified in § 63.7495.

[78 FR 7164, Jan. 31, 2013]

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]

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

When must I conduct subsequent performance tests or fuel analyses?

(a) - (c) [Do not apply]

(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual performance tune-up according to § 63.7540(a)(10). Each annual tune-up specified in § 63.7540(a)(10) must be no more than 13 months after the previous tune-up.

(e) - (f) [Do not apply]

(g) You must complete a subsequent tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) and the schedule described in § 63.7540(a)(13) for units that are not operating at the time of their scheduled tune-up.

(h) - (i) [Do not apply]

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

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

How do I demonstrate continuous compliance with the emission limits and work practice standards?

(a) You must demonstrate continuous compliance with the work practice standards in Table 3 to this subpart according to the methods specified in paragraphs (a)(1) through (19) of this section.

**SECTION D. Source Level Requirements**

(1) - (9) [Do not apply]

(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.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

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

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

(11) - (12) [Do not apply]

(13) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

(14) - (19) [Do not apply]

(b) - (d) [Do not apply]

[78 FR 7179, Jan. 31, 2013]

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 149

Source Name: ARGON STIRRING STATION (EAST)

Source Capacity/Throughput: 137.000 Tons/HR STEEL



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Total allowable emission rates for Baghouse #3 (C01B) are given below:

1. Particulate Matter/PM10 0.0036 gr/dscf
2. Particulate Matter/PM10 29.9 lbs/hr
3. Particulate Matter/PM10 130.8 tpy based on a consecutive 12-month period
4. Carbon Monoxide 164.0 lbs/hr based on 30-day rolling average
5. Carbon Monoxide 718.3 tpy based on a consecutive 12-month period

[Plan Approval Number: 10-001B, Condition #10 and Plan Approval Number: 10-001I, Condition #7]

[Compliance with the requirement specified in part (1) of this streamlined permit condition assures compliance with the provisions in: 25 PA Code 123.13]

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 25 PA Code 129.92.

The NOx emission limit for the #3 baghouse (Control #C01B) inlet shall not exceed 75 lb/hr. The NOx emissions to the baghouse may include during normal or maximum melt shop operating conditions contributions from the electric arc furnaces, casters, east argon stirring station, ladle preheaters, and various miscellaneous combustion sources located in the Melt Shop Building. Compliance with this #3 Baghouse emission limit shall be monitored by annual stack testing with the results being averaged and compared to the limit to show compliance.

II. TESTING REQUIREMENTS.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

- a) Compliance with the CO emission limits shall be shown through an initial stack test and annual stack test thereafter outlined below.
- b) Compliance with the CO emission limits for the melt shop shall be demonstrated by way of an annual stack test. Stack testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection and the most current edition of the Department's "Source Testing Manual" for CO emissions. The stack test shall be performed while the melt shop is operating at maximum or normal rated capacity.
 - 1) Within 60 days of performing a stack test, three copies of a protocol shall be submitted in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The protocol shall contain, at a minimum, location of sampling ports, planned production rates, and any other information applicable to the stack testing. Performance of a stack test prior to Department approval of the protocol may invalidate the results.
 - 2) At least 2 weeks prior to the test, the Department shall be informed, in writing, of the date and time of the test.

**SECTION D. Source Level Requirements**

3) Within 60 days after completion of stack testing, three copies of the complete test report, including, but not limited to, production rates during testing, calculation methods and results, and any other applicable testing information that will allow for a complete review of the test and results, shall be submitted to the Department for approval.

4) Actions Related to Noncompliance Demonstrated by a Stack Test:

[From Plan Approval Number 10-0011, Condition #s 7 and 8.]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 129.92.

The permittee shall perform an annual stack test on #3 Baghouse inlet to show compliance with the 75 lb/hr NOx emission limit. The stack test shall consist of a minimum of three (3) eight (8) hour stack tests utilizing a Department approved method. The results of all stack tests shall be averaged and compared with the emission limitation to show compliance.

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall install and maintain at a conveniently readable location a magnehelic gauge or equivalent to indicate the pressure drop across the control device Baghouse #3 (C01B).

[PA: 10-001B Condition 12]

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

a) The following parameters will be monitored as part of the CAM plan for Baghouse #3 (C01B).

(1) Inlet Pressure

The permittee shall check the inlet pressure of the control device using a static pressure transducer at least once for each shift that the source is operated.

(2) Visible Observations

The permittee shall perform daily Method 22 observations of each exhaust port associated with this control device while the source is in operation, during each day the source is operated during daylight hours.

(3) Preventive Maintenance

The permittee shall perform monthly preventive maintenance inspections of the control device and associated equipment.

b) The following indicator ranges will be part of the CAM plan for Baghouse #3 (C01B).

(1) Inlet Pressure

The inlet pressure of the control device shall be maintained between 5 and 17 inches of H₂O during all periods of source operation. An excursion will trigger an inspection, corrective action and possibly malfunction reporting.

(2) Visible Emissions

The absence of any visible emissions will indicate proper operation of the control device. An excursion is the presence of any visible emissions other than those emissions excluded by 25 Pa. Code 123.42 (1) and (2). An excursion will trigger an inspection, corrective action and possibly malfunction reporting.

**SECTION D. Source Level Requirements**

(3) Preventative Maintenance

NA

[Additional authority for this permit condition is derived from 40 CFR §64.6 & §64.3.]

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

- a) The permittee shall record, daily, the pressure drop across the control device Baghouse #3 (C01B).
- b) The permittee shall maintain a record of all preventive maintenance inspections of the control device Baghouse #3 (C01B). The inspection records, at a minimum, shall contain the dates of the inspections, any potential problems or defects that were encountered and steps taken to correct them.

[PA: 10-001B Conditions 13 and 14]

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Data Collection Procedures for Baghouse #1 & 2 (C17) and Baghouse #3 (C01B)

(1) Inlet Pressure

The permittee shall manually record the pressure readings for every shift that the source is operated. A hard copy of the data is to be retained for five (5) years.

[Compliance with this streamlined condition assures compliance with Condition #13 of Plan Approval Number 10-001B.]

(2) Visible Emissions

The permittee shall manually record the results of the Method 22 observations each day that the source is operated during daylight hours. A hard copy of the data is to be retained for five (5) years.

(3) Preventative Maintenance

Records of the monthly preventative maintenance inspections shall be kept and retained for five (5) years.

[Additional authority for this permit condition is derived from 40 CFR §64.9(b).]

V. REPORTING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 25 PA Code 129.95.

The permittee shall notify the Department of the date and time of any testing, at least two (2) weeks prior to the test.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following are CAM related requirements:

The permittee shall report the following information to the Department every six (6) months:

- (1) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken:

**SECTION D. Source Level Requirements**

(2) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and

(3) A description of the actions taken to implement a quality improvement plan (QIP) during the semi-annual reporting period. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

[Additional authority for this permit condition is also derived from 40 CFR § 64.9(a).]

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

The permittee shall submit to the Department, at least sixty (60) days before the scheduled stack test, two (2) copies of the stack test procedure and a sketch with the dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples for approval.

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provisions in: PA 10-307-045 Condition #7 & RACT OP 10-001M Condition #6]

012 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall submit to the Department, within sixty (60) days after completion of the stack test, two (2) copies of the complete test report including all operating conditions for approval.

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provisions in: PA 10-307-045 Condition #10 & RACT OP 10-001M Condition #9]

VI. WORK PRACTICE REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The following are CAM related requirements:

(a) Commencement of operation. The owner or operator shall conduct the monitoring required under this part upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to §64.6(d).

(b) Proper maintenance. At all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

(c) Continued operation. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(d) Response to excursions or exceedances.

(1) Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to

**SECTION D. Source Level Requirements**

restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(2) Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

(e) Documentation of need for improved monitoring. After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the permitting authority and, if necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[Additional authority for part (a) to (e) of this permit condition is also derived from 40 CFR §64.7]

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

a) The following data will be represented as part of the CAM plan for Baghouse #3 (C01B) and Baghouse #1 & 2 (C17).

(1) Inlet Pressure

Pressure reading is to be measured at the baghouse inlet. The minimum accuracy of the pressure transducer shall be +/- 0.5 inches of H₂O.

(2) Visible Emissions

Method 22 observations are to be performed at the baghouse exhaust on each day the source is operated during daylight hours, while the source is operating.

(3) Preventative Maintenance

Monthly Preventative maintenance inspections are to be performed at the fans, compartments, hoppers, screws, conveyors and silos.

b) Verification of Operational Status

(1) Inlet Pressure

Operational status is to be verified by operator and/or other qualified personnel.

(2) Visible Emissions

Operational status is to be verified by operator and/or other qualified personnel.

(3) Preventative Maintenance

Operational status is to be verified by operator and/or other qualified personnel.

**SECTION D. Source Level Requirements**

c) QA/QC Practices and Criteria

(1) Inlet Pressure

Pressure transducer is to be calibrated or replaced with a certified unit annually. Pressure taps are to be checked monthly for plugging.

(2) Visible Emissions

Operators or qualified personnel are to be trained for Reference Method 22.

(3) Preventative Maintenance

Qualified maintenance personnel shall perform maintenance inspections.

[Additional authority for this permit condition is derived from 40 CFR §64.4.]

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

The permittee shall perform an annual visual inspection of the baghouse bags for any tear or damage.

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

The source and control device shall be maintained and operated in accordance with the manufacturer's specifications or in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The following are CAM related requirements:

(a) The permittee shall develop and implement a quality improvement plan (QIP) if any of the following occurs:

(1) Nine excursions of any single parameter occur in a six-month reporting period.

(2) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(b) Elements of a QIP:

(1) The owner or operator shall maintain a written QIP, if required, and have it available for inspection.

(2) The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as appropriate;

(i) Improved preventive maintenance practice.

(ii) Process operation changes.

(iii) Appropriate improvements to control methods.

(iv) Other steps appropriate to correct control performance.

(v) More frequent or improved monitoring (only in conjunction with one or more steps under paragraphs (b)(2)(i) through (iv) of this section).

(c) If a QIP is required, the owner or operator shall develop and implement a QIP as expeditiously as practicable and shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

**SECTION D. Source Level Requirements**

(d) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

- (1) Address the cause of the control device performance problem.
- (2) Provide adequate procedures for correcting control device performance problems in as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(e) Implementation of a QIP, shall not excuse the permittee from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

[Additional authority for the following permit conditions are also derived from 40 CFR §64.8]

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

**SECTION D. Source Level Requirements**

Source ID: 156

Source Name: ANNEAL FURNACE 4

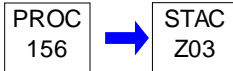
Source Capacity/Throughput:

49.000 MCF/HR

Natural Gas

40.000 Tons/HR

STEEL

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The source shall burn only natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall record each adjustment conducted in a permanent record keeping system. This record shall contain, at a minimum, the following:

1. The date of the tuning procedure
2. The name of the service company and technicians
3. The final operating rate or load
4. The final CO and NO_x emission rates
5. The final excess oxygen rate

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall perform an annual adjustment or tuneup. This adjustment shall include, at a minimum, the following:

1. Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
2. Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable minimize emissions of CO.
3. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

006 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 157

Source Name: ANNEAL FURNACE 7

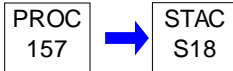
Source Capacity/Throughput:

33.000 MCF/HR

Natural Gas

35.000 Tons/HR

STEEL

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The source shall burn only natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall record each adjustment conducted in a permanent record keeping system. This record shall contain, at a minimum, the following:

1. The date of the tuning procedure
2. The name of the service company and technicians
3. The final operating rate or load
4. The final CO and NO_x emission rates
5. The final excess oxygen rate

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.**What records must I keep?**

(a) You must keep records according to paragraphs (a)(1) and (2) of this section.

**SECTION D. Source Level Requirements**

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in § 63.10(b)(2)(xiv).

(2) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in § 63.10(b)(2)(viii).

(b) - (h) [Do not apply]

(i) You must maintain records of the calendar date, time, occurrence and duration of each startup and shutdown.

(j) You must maintain records of the type(s) and amount(s) of fuels used during each startup and shutdown.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7185, Jan. 31, 2013]

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]

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

In what form and how long must I keep my records?

(a) Your records must be in a form suitable and readily available for expeditious review, according to § 63.10(b)(1).

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

(c) You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1). You can keep the records off site for the remaining 3 years.

V. REPORTING REQUIREMENTS.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]

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

How do I demonstrate initial compliance with the emission limits and work practice standards?

(a) - (c) [Do not apply]

(d) If you own or operate an existing unit with a heat input capacity of less than 10 million Btu per hour or a unit in the unit designed to burn gas 1 subcategory, you must submit a signed statement in the Notification of Compliance Status report that indicates that you conducted a tune-up of the unit.

(e) You must include with the Notification of Compliance Status a signed certification that the energy assessment was completed according to Table 3 to this subpart and is an accurate depiction of your facility at the time of the assessment.

(f) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in § 63.7545(e).

(g) - (i) [Do not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7174, Jan. 31, 2013]

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

(a) You must submit to the Administrator all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to you by the dates specified.

**SECTION D. Source Level Requirements**

(b) - (d) [Do not apply]

(e) If you are required to conduct an initial compliance demonstration as specified in § 63.7530, you must submit a Notification of Compliance Status according to § 63.9(h)(2)(ii). For the initial compliance demonstration for each boiler or process heater, you must submit the Notification of Compliance Status, before the close of business on the 60th day following the completion of all 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), 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).

(1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under § 241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of § 241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

(2) - (5) [Do not apply]

(6) A signed certification that you have met all applicable emission limits and work practice standards.

(7) If you had a deviation from any emission limit, work practice standard, or operating limit, you must also submit a description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report.

(8) In addition to the information required in § 63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

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

(ii) "This facility has had an energy assessment performed according to § 63.7530(e)."

(iii) Except for units that burn only natural gas, refinery gas, or other gas 1 fuel, or units that qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act, include the following: "No secondary materials that are solid waste were combusted in any affected unit."

(f) - (h) [Do not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013]

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

(a) You must submit each report in Table 9 to this subpart that applies to you.

[From Table 9 of Subpart DDDDD]

You must submit a Compliance Report annually as part of the Title V compliance reporting program.

The report must contain:

a. Information required in § 63.7550(c)(1) through (5); and

b. If there are no deviations from the requirements for work practice standards in Table 3 to this subpart that apply to you, a statement that there were no deviations from the work practice standards during the reporting period.

**SECTION D. Source Level Requirements**

c. & d. [Do not apply]

(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 the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct an annual, biennial, or 5-year tune-up according to § 63.7540(a)(10), and not subject to emission limits or operating limits, you may submit only an annual compliance report, as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

(1) 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 July 31 or January 31, whichever date is the first date that occurs at least 180 days (or 1, 2, or 5 years, as applicable, if submitting an annual, biennial, or 5-year compliance report) after the compliance date that is specified for your source in § 63.7495.

(2) The first compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in § 63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Each subsequent 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.

(c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

(1) If the facility is subject to a the requirements of a tune up they must submit a compliance report with the information in paragraphs (c)(5)(i) through (iv) and (xiv) of this section.

(2) - (4) [Do not apply]

(5)(i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

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

(iv) The total operating time during the reporting period.

(v) - (xiii) [Do not apply]

(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.

(xv) - (xvii) [Do not apply]

(d) - (e) [Do not apply]

(f) - (g) [Reserved]

(h) [Does not apply]

**SECTION D. Source Level Requirements**

[78 FR 7183, Jan. 31, 2013]

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.9]

Subpart A--General Provisions

Notification requirements.

(a) [Does not apply]

(b) Initial notifications.

(1) (i) The requirements of this paragraph apply to the owner or operator of an affected source when such source becomes subject to a relevant standard.

(ii) [Does not apply]

(iii) Affected sources that are required under this paragraph to submit an initial notification may use the application for approval of construction or reconstruction under Sec. 63.5(d) of this subpart, if relevant, to fulfill the initial notification requirements of this paragraph.

(2) The owner or operator of an affected source that has an initial startup before the effective date of a relevant standard under this part shall notify the Administrator in writing that the source is subject to the relevant standard. The notification, which shall be submitted not later than 120 calendar days after the effective date of the relevant standard (or within 120 calendar days after the source becomes subject to the relevant standard), shall provide the following information:

(i) The name and address of the owner or operator;

(ii) The address (i.e., physical location) of the affected source;

(iii) An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date;

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

(v) A statement of whether the affected source is a major source or an area source.

(3) [Reserved]

(4) - (5) [Do not apply]

(c) Request for extension of compliance. If the owner or operator of an affected source cannot comply with a relevant standard by the applicable compliance date for that source, or if the owner or operator has installed BACT or technology to meet LAER consistent with Sec. 63.6(i)(5) of this subpart, he/she may submit to the Administrator (or the State with an approved permit program) a request for an extension of compliance as specified in Sec. 63.6(i)(4) through Sec. 63.6(i)(6).

(d) - (g) [Do not apply]

(h) Notification of compliance status.

(1) The requirements of paragraphs (h)(2) through (h)(4) of this section apply when an affected source becomes subject to a relevant standard.

(2) [Does not apply]

**SECTION D. Source Level Requirements**

(3) After a title V permit has been issued to the owner or operator of an affected source, the owner or operator of such source shall comply with all requirements for compliance status reports contained in the source's title V permit, including reports required under this part. After a title V permit has been issued to the owner or operator of an affected source, and each time a notification of compliance status is required under this part, the owner or operator of such source shall submit the notification of compliance status to the appropriate permitting authority following completion of the relevant compliance demonstration activity specified in the relevant standard.

(4) [Reserved]

(5) [Does not apply]

(6) Advice on a notification of compliance status may be obtained from the Administrator.

(i) - (j) [Do not apply]

[59 FR 12430, Mar. 16, 1994, as amended at 64 FR 7468, Feb. 12, 1999; 67 FR 16604, Apr. 5, 2002; 68 FR 32601, May 30, 2003]

VI. WORK PRACTICE REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall perform an annual adjustment or tuneup. This adjustment shall include, at a minimum, the following:

1. Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
2. Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable minimize emissions of CO.
3. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

012 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

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

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What emission limits, work practice standards, and operating limits must I meet?**

(a) You must meet the requirements in paragraphs (a)(1) through (3) of this section, except as provided in paragraphs (b), through (e) of this section. You must meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of this section.

(1) You must meet each work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under § 63.7522.

(2) [Does not apply]

(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

**SECTION D. Source Level Requirements**

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.

 [From Table 3 of Subpart DDDDD]

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 conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions under this subpart.

If your unit is an existing boiler or process heater located at a major source facility you 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.

 (b) As provided in § 63.6(g), EPA may approve use of an alternative to the work practice standards in this section.

(c) - (d) [Do not apply]

(e) Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, or the operating limits in Table 4 to this subpart.

(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 Table 3 to this subpart.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013]

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7505]

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

What are my general requirements for complying with this subpart?

(a) You must be in compliance with the work practice standards in this subpart. These limits apply to you at all times the

**SECTION D. Source Level Requirements**

affected unit is operating except for the periods noted in § 63.7500(f).

(b) [Reserved]

(c) - (d) [Do not apply]

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]

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

What are my initial compliance requirements and by what date must I conduct them?

(a) - (d) [Do not apply]

(e) For existing affected sources (as defined in § 63.7490), you must complete the initial compliance demonstration, 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, except as specified in paragraph (j) of this section.

(f) - (i) [Do not apply]

(j) For existing affected sources (as defined in § 63.7490) that have not operated between the effective date of the rule and the compliance date that is specified for your source in § 63.7495, you must complete the initial compliance demonstration, if subject to the emission limits in Table 2 to this subpart, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the re-start of the affected source and according to the applicable provisions in § 63.7(a)(2) as cited in Table 10 to this subpart. You must complete an initial tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) no later than 30 days after the re-start of the affected source and, if applicable, complete the one-time energy assessment specified in Table 3 to this subpart, no later than the compliance date specified in § 63.7495.

[78 FR 7164, Jan. 31, 2013]

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]

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

When must I conduct subsequent performance tests or fuel analyses?

(a) - (c) [Do not apply]

(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual performance tune-up according to § 63.7540(a)(10). Each annual tune-up specified in § 63.7540(a)(10) must be no more than 13 months after the previous tune-up.

(e) - (f) [Do not apply]

(g) You must complete a subsequent tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) and the schedule described in § 63.7540(a)(13) for units that are not operating at the time of their scheduled tune-up.

(h) - (i) [Do not apply]

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

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

How do I demonstrate continuous compliance with the emission limits and work practice standards?

(a) You must demonstrate continuous compliance with the work practice standards in Table 3 to this subpart according to the methods specified in paragraphs (a)(1) through (19) of this section.

**SECTION D. Source Level Requirements**

(1) - (9) [Do not apply]

(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.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

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

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

(11) - (12) [Do not apply]

(13) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

(14) - (19) [Do not apply]

(b) - (d) [Do not apply]

[78 FR 7179, Jan. 31, 2013]

VII. ADDITIONAL REQUIREMENTS.

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

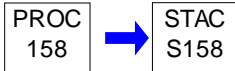
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 158

Source Name: ANNEAL FURNACE 12

Source Capacity/Throughput:	198.000 MCF/HR	Natural Gas
	70.000 Tons/HR	STEEL

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

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Throughput Restriction(s).**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall limit the fuel usage to 1,675 mmcf/yr based upon a quarterly rolling average.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall record each adjustment conducted in a permanent record keeping system. This record shall contain, at a minimum, the following:

1. The date of the tuning procedure
2. The name of the service company and technicians
3. The final operating rate or load
4. The final CO and NO_x emission rates
5. The final excess oxygen rate

005 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain monthly records of fuel consumption and the corresponding quarterly averages.

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

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

VI. WORK PRACTICE REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall perform an annual adjustment or tuneup. This adjustment shall include, at a minimum, the following:

1. Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
2. Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable minimize emissions of CO.
3. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

007 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 160A

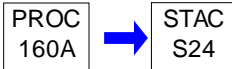
Source Name: MGO DRYING FURNACE

Source Capacity/Throughput:

17.000 MCF/HR

Natural Gas

31.000 Tons/HR

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

This source shall only use natural gas as a fuel source.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.**What records must I keep?**

(a) You must keep records according to paragraphs (a)(1) and (2) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in § 63.10(b)(2)(xiv).

(2) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in § 63.10(b)(2)(viii).

(b) - (h) [Do not apply]

(i) You must maintain records of the calendar date, time, occurrence and duration of each startup and shutdown.

(j) You must maintain records of the type(s) and amount(s) of fuels used during each startup and shutdown.

**SECTION D. Source Level Requirements**

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7185, Jan. 31, 2013]

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****In what form and how long must I keep my records?**

- (a) Your records must be in a form suitable and readily available for expeditious review, according to § 63.10(b)(1).
- (b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- (c) You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1). You can keep the records off site for the remaining 3 years.

V. REPORTING REQUIREMENTS.**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****How do I demonstrate initial compliance with the emission limits and work practice standards?**

- (a) - (c) [Do not apply]
- (d) If you own or operate an existing unit with a heat input capacity of less than 10 million Btu per hour or a unit in the unit designed to burn gas 1 subcategory, you must submit a signed statement in the Notification of Compliance Status report that indicates that you conducted a tune-up of the unit.
- (e) You must include with the Notification of Compliance Status a signed certification that the energy assessment was completed according to Table 3 to this subpart and is an accurate depiction of your facility at the time of the assessment.
- (f) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in § 63.7545(e).
- (g) - (i) [Do not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7174, Jan. 31, 2013]

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What notifications must I submit and when?**

- (a) You must submit to the Administrator all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to you by the dates specified.
- (b) - (d) [Do not apply]
- (e) If you are required to conduct an initial compliance demonstration as specified in § 63.7530, you must submit a Notification of Compliance Status according to § 63.9(h)(2)(ii). For the initial compliance demonstration for each boiler or process heater, you must submit the Notification of Compliance Status, before the close of business on the 60th day following the completion of all 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), 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).

**SECTION D. Source Level Requirements**

(1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under § 241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of § 241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

(2) - (5) [Do not apply]

(6) A signed certification that you have met all applicable emission limits and work practice standards.

(7) If you had a deviation from any emission limit, work practice standard, or operating limit, you must also submit a description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report.

(8) In addition to the information required in § 63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

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

(ii) "This facility has had an energy assessment performed according to § 63.7530(e)."

(iii) Except for units that burn only natural gas, refinery gas, or other gas 1 fuel, or units that qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act, include the following: "No secondary materials that are solid waste were combusted in any affected unit."

(f) - (h) [Do not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013]

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

(a) You must submit each report in Table 9 to this subpart that applies to you.

[From Table 9 of Subpart DDDDD]

You must submit a Compliance Report annually as part of the Title V compliance reporting program.

The report must contain:

a. Information required in § 63.7550(c)(1) through (5); and

b. If there are no deviations from the requirements for work practice standards in Table 3 to this subpart that apply to you, a statement that there were no deviations from the work practice standards during the reporting period.

c. & d. [Do not apply]

(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 the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct an annual, biennial, or 5-year tune-up according to § 63.7540(a)(10), and not subject to emission limits or operating limits, you may submit only an annual compliance report, as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

(1) The first compliance report must cover the period beginning on the compliance date that is specified for each boiler or

**SECTION D. Source Level Requirements**

process heater in § 63.7495 and ending on July 31 or January 31, whichever date is the first date that occurs at least 180 days (or 1, 2, or 5 years, as applicable, if submitting an annual, biennial, or 5-year compliance report) after the compliance date that is specified for your source in § 63.7495.

(2) The first compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in § 63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Each subsequent 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.

(c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

(1) If the facility is subject to a the requirements of a tune up they must submit a compliance report with the information in paragraphs (c)(5)(i) through (iv) and (xiv) of this section.

(2) - (4) [Do not apply]

(5)(i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

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

(iv) The total operating time during the reporting period.

(v) - (xiii) [Do not apply]

(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.

(xv) - (xvii) [Do not apply]

(d) - (e) [Do not apply]

(f) - (g) [Reserved]

(h) [Does not apply]

[78 FR 7183, Jan. 31, 2013]

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.9]

Subpart A--General Provisions

Notification requirements.

(a) [Does not apply]

(b) Initial notifications.

**SECTION D. Source Level Requirements**

(1) (i) The requirements of this paragraph apply to the owner or operator of an affected source when such source becomes subject to a relevant standard.

(ii) [Does not apply]

(iii) Affected sources that are required under this paragraph to submit an initial notification may use the application for approval of construction or reconstruction under Sec. 63.5(d) of this subpart, if relevant, to fulfill the initial notification requirements of this paragraph.

(2) The owner or operator of an affected source that has an initial startup before the effective date of a relevant standard under this part shall notify the Administrator in writing that the source is subject to the relevant standard. The notification, which shall be submitted not later than 120 calendar days after the effective date of the relevant standard (or within 120 calendar days after the source becomes subject to the relevant standard), shall provide the following information:

(i) The name and address of the owner or operator;

(ii) The address (i.e., physical location) of the affected source;

(iii) An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date;

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

(v) A statement of whether the affected source is a major source or an area source.

(3) [Reserved]

(4) - (5) [Do not apply]

(c) Request for extension of compliance. If the owner or operator of an affected source cannot comply with a relevant standard by the applicable compliance date for that source, or if the owner or operator has installed BACT or technology to meet LAER consistent with Sec. 63.6(i)(5) of this subpart, he/she may submit to the Administrator (or the State with an approved permit program) a request for an extension of compliance as specified in Sec. 63.6(i)(4) through Sec. 63.6(i)(6).

(d) - (g) [Do not apply]

(h) Notification of compliance status.

(1) The requirements of paragraphs (h)(2) through (h)(4) of this section apply when an affected source becomes subject to a relevant standard.

(2) [Does not apply]

(3) After a title V permit has been issued to the owner or operator of an affected source, the owner or operator of such source shall comply with all requirements for compliance status reports contained in the source's title V permit, including reports required under this part. After a title V permit has been issued to the owner or operator of an affected source, and each time a notification of compliance status is required under this part, the owner or operator of such source shall submit the notification of compliance status to the appropriate permitting authority following completion of the relevant compliance demonstration activity specified in the relevant standard.

(4) [Reserved]

(5) [Does not apply]

**SECTION D. Source Level Requirements**

(6) Advice on a notification of compliance status may be obtained from the Administrator.

(i) - (j) [Do not apply]

[59 FR 12430, Mar. 16, 1994, as amended at 64 FR 7468, Feb. 12, 1999; 67 FR 16604, Apr. 5, 2002; 68 FR 32601, May 30, 2003]

VI. WORK PRACTICE REQUIREMENTS.**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 Pa Code 129.93.

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What emission limits, work practice standards, and operating limits must I meet?**

(a) You must meet the requirements in paragraphs (a)(1) through (3) of this section, except as provided in paragraphs (b), through (e) of this section. You must meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of this section.

(1) You must meet each work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under § 63.7522.

(2) [Does not apply]

(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.

[From Table 3 of Subpart DDDDD]

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 conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions under this subpart.

If your unit is an existing boiler or process heater located at a major source facility you 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

**SECTION D. Source Level Requirements**

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.

(b) As provided in § 63.6(g), EPA may approve use of an alternative to the work practice standards in this section.

(c) - (d) [Do not apply]

(e) Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, or the operating limits in Table 4 to this subpart.

(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 Table 3 to this subpart.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013]

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7505]

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

What are my general requirements for complying with this subpart?

(a) You must be in compliance with the work practice standards in this subpart. These limits apply to you at all times the affected unit is operating except for the periods noted in § 63.7500(f).

(b) [Reserved]

(c) - (d) [Do not apply]

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]

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

What are my initial compliance requirements and by what date must I conduct them?

(a) - (d) [Do not apply]

(e) For existing affected sources (as defined in § 63.7490), you must complete the initial compliance demonstration, 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, except as specified in paragraph (j) of this section.

(f) - (i) [Do not apply]

(j) For existing affected sources (as defined in § 63.7490) that have not operated between the effective date of the rule and the compliance date that is specified for your source in § 63.7495, you must complete the initial compliance demonstration,

**SECTION D. Source Level Requirements**

if subject to the emission limits in Table 2 to this subpart, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the re-start of the affected source and according to the applicable provisions in § 63.7(a)(2) as cited in Table 10 to this subpart. You must complete an initial tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) no later than 30 days after the re-start of the affected source and, if applicable, complete the one-time energy assessment specified in Table 3 to this subpart, no later than the compliance date specified in § 63.7495.

[78 FR 7164, Jan. 31, 2013]

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****When must I conduct subsequent performance tests or fuel analyses?**

(a) - (c) [Do not apply]

(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual performance tune-up according to § 63.7540(a)(10). Each annual tune-up specified in § 63.7540(a)(10) must be no more than 13 months after the previous tune-up.

(e) - (f) [Do not apply]

(g) You must complete a subsequent tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) and the schedule described in § 63.7540(a)(13) for units that are not operating at the time of their scheduled tune-up.

(h) - (i) [Do not apply]

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****How do I demonstrate continuous compliance with the emission limits and work practice standards?**

(a) You must demonstrate continuous compliance with the work practice standards in Table 3 to this subpart according to the methods specified in paragraphs (a)(1) through (19) of this section.

(1) - (9) [Do not apply]

(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.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the

**SECTION D. Source Level Requirements**

same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

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

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

(11) - (12) [Do not apply]

(13) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

(14) - (19) [Do not apply]

(b) - (d) [Do not apply]

[78 FR 7179, Jan. 31, 2013]

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 161

Source Name: CARLITE LINE DRY FURNACE 20

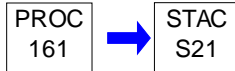
Source Capacity/Throughput:

9.000 MCF/HR

Natural Gas

15.000 Tons/HR

STEEL

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

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).**# 003 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The source shall burn only natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

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



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 162

Source Name: CARLITE LINE DRY FURNACE 26

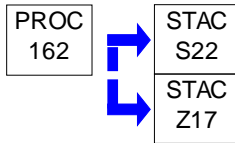
Source Capacity/Throughput:

32.000 MCF/HR

Natural Gas

25.000 Tons/HR

STEEL

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The source shall burn only natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall record each adjustment conducted in a permanent record keeping system. This record shall contain, at a minimum, the following:

1. The date of the tuning procedure
2. The name of the service company and technicians
3. The final operating rate or load
4. The final CO and NO_x emission rates
5. The final excess oxygen rate

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.**What records must I keep?**

**SECTION D. Source Level Requirements**

(a) You must keep records according to paragraphs (a)(1) and (2) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in § 63.10(b)(2)(xiv).

(2) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in § 63.10(b)(2)(viii).

(b) - (h) [Do not apply]

(i) You must maintain records of the calendar date, time, occurrence and duration of each startup and shutdown.

(j) You must maintain records of the type(s) and amount(s) of fuels used during each startup and shutdown.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7185, Jan. 31, 2013]

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]

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

In what form and how long must I keep my records?

(a) Your records must be in a form suitable and readily available for expeditious review, according to § 63.10(b)(1).

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

(c) You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1). You can keep the records off site for the remaining 3 years.

V. REPORTING REQUIREMENTS.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]

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

How do I demonstrate initial compliance with the emission limits and work practice standards?

(a) - (c) [Do not apply]

(d) If you own or operate an existing unit with a heat input capacity of less than 10 million Btu per hour or a unit in the unit designed to burn gas 1 subcategory, you must submit a signed statement in the Notification of Compliance Status report that indicates that you conducted a tune-up of the unit.

(e) You must include with the Notification of Compliance Status a signed certification that the energy assessment was completed according to Table 3 to this subpart and is an accurate depiction of your facility at the time of the assessment.

(f) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in § 63.7545(e).

(g) - (i) [Do not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7174, Jan. 31, 2013]

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

**SECTION D. Source Level Requirements**

(a) You must submit to the Administrator all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to you by the dates specified.

(b) - (d) [Do not apply]

(e) If you are required to conduct an initial compliance demonstration as specified in § 63.7530, you must submit a Notification of Compliance Status according to § 63.9(h)(2)(ii). For the initial compliance demonstration for each boiler or process heater, you must submit the Notification of Compliance Status, before the close of business on the 60th day following the completion of all 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), 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).

(1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under § 241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of § 241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

(2) - (5) [Do not apply]

(6) A signed certification that you have met all applicable emission limits and work practice standards.

(7) If you had a deviation from any emission limit, work practice standard, or operating limit, you must also submit a description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report.

(8) In addition to the information required in § 63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

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

(ii) "This facility has had an energy assessment performed according to § 63.7530(e)."

(iii) Except for units that burn only natural gas, refinery gas, or other gas 1 fuel, or units that qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act, include the following: "No secondary materials that are solid waste were combusted in any affected unit."

(f) - (h) [Do not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013]

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

(a) You must submit each report in Table 9 to this subpart that applies to you.

[From Table 9 of Subpart DDDDD]

You must submit a Compliance Report annually as part of the Title V compliance reporting program.

The report must contain:

a. Information required in § 63.7550(c)(1) through (5); and

**SECTION D. Source Level Requirements**

b. If 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 work practice standards during the reporting period.

c. & d. [Do not apply]

(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 the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct an annual, biennial, or 5-year tune-up according to § 63.7540(a)(10), and not subject to emission limits or operating limits, you may submit only an annual compliance report, as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

(1) 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 July 31 or January 31, whichever date is the first date that occurs at least 180 days (or 1, 2, or 5 years, as applicable, if submitting an annual, biennial, or 5-year compliance report) after the compliance date that is specified for your source in § 63.7495.

(2) The first compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in § 63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Each subsequent 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.

(c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

(1) If the facility is subject to a the requirements of a tune up they must submit a compliance report with the information in paragraphs (c)(5)(i) through (iv) and (xiv) of this section.

(2) - (4) [Do not apply]

(5)(i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

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

(iv) The total operating time during the reporting period.

(v) - (xiii) [Do not apply]

(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.

(xv) - (xvii) [Do not apply]

(d) - (e) [Do not apply]

**SECTION D. Source Level Requirements**

(f) - (g) [Reserved]

(h) [Does not apply]

[78 FR 7183, Jan. 31, 2013]

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.9]**Subpart A--General Provisions****Notification requirements.**

(a) [Does not apply]

(b) Initial notifications.

(1) (i) The requirements of this paragraph apply to the owner or operator of an affected source when such source becomes subject to a relevant standard.

(ii) [Does not apply]

(iii) Affected sources that are required under this paragraph to submit an initial notification may use the application for approval of construction or reconstruction under Sec. 63.5(d) of this subpart, if relevant, to fulfill the initial notification requirements of this paragraph.

(2) The owner or operator of an affected source that has an initial startup before the effective date of a relevant standard under this part shall notify the Administrator in writing that the source is subject to the relevant standard. The notification, which shall be submitted not later than 120 calendar days after the effective date of the relevant standard (or within 120 calendar days after the source becomes subject to the relevant standard), shall provide the following information:

(i) The name and address of the owner or operator;

(ii) The address (i.e., physical location) of the affected source;

(iii) An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date;

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

(v) A statement of whether the affected source is a major source or an area source.

(3) [Reserved]

(4) - (5) [Do not apply]

(c) Request for extension of compliance. If the owner or operator of an affected source cannot comply with a relevant standard by the applicable compliance date for that source, or if the owner or operator has installed BACT or technology to meet LAER consistent with Sec. 63.6(i)(5) of this subpart, he/she may submit to the Administrator (or the State with an approved permit program) a request for an extension of compliance as specified in Sec. 63.6(i)(4) through Sec. 63.6(i)(6).

(d) - (g) [Do not apply]

(h) Notification of compliance status.

(1) The requirements of paragraphs (h)(2) through (h)(4) of this section apply when an affected source becomes subject to a relevant standard.

**SECTION D. Source Level Requirements**

(2) [Does not apply]

(3) After a title V permit has been issued to the owner or operator of an affected source, the owner or operator of such source shall comply with all requirements for compliance status reports contained in the source's title V permit, including reports required under this part. After a title V permit has been issued to the owner or operator of an affected source, and each time a notification of compliance status is required under this part, the owner or operator of such source shall submit the notification of compliance status to the appropriate permitting authority following completion of the relevant compliance demonstration activity specified in the relevant standard.

(4) [Reserved]

(5) [Does not apply]

(6) Advice on a notification of compliance status may be obtained from the Administrator.

(i) - (j) [Do not apply]

[59 FR 12430, Mar. 16, 1994, as amended at 64 FR 7468, Feb. 12, 1999; 67 FR 16604, Apr. 5, 2002; 68 FR 32601, May 30, 2003]

VI. WORK PRACTICE REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

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

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

Authority for this condition is also derived from 25 PA Code 129.93.

The permittee shall perform an annual adjustment or tuneup. This adjustment shall include, at a minimum, the following:

1. Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
2. Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable minimize emissions of CO.
3. Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What emission limits, work practice standards, and operating limits must I meet?**

(a) You must meet the requirements in paragraphs (a)(1) through (3) of this section, except as provided in paragraphs (b), through (e) of this section. You must meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of this section.

(1) You must meet each work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under § 63.7522.

**SECTION D. Source Level Requirements**

(2) [Does not apply]

(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.

[From Table 3 of Subpart DDDDD]

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 conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions under this subpart.

If your unit is an existing boiler or process heater located at a major source facility you 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.

(b) As provided in § 63.6(g), EPA may approve use of an alternative to the work practice standards in this section.

(c) - (d) [Do not apply]

(e) Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, or the operating limits in Table 4 to this subpart.

(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 Table 3 to this subpart.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013]

**SECTION D. Source Level Requirements****# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7505]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What are my general requirements for complying with this subpart?**

(a) You must be in compliance with the work practice standards in this subpart. These limits apply to you at all times the affected unit is operating except for the periods noted in § 63.7500(f).

(b) [Reserved]

(c) - (d) [Do not apply]

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****What are my initial compliance requirements and by what date must I conduct them?**

(a) - (d) [Do not apply]

(e) For existing affected sources (as defined in § 63.7490), you must complete the initial compliance demonstration, 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, except as specified in paragraph (j) of this section.

(f) - (i) [Do not apply]

(j) For existing affected sources (as defined in § 63.7490) that have not operated between the effective date of the rule and the compliance date that is specified for your source in § 63.7495, you must complete the initial compliance demonstration, if subject to the emission limits in Table 2 to this subpart, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the re-start of the affected source and according to the applicable provisions in § 63.7(a)(2) as cited in Table 10 to this subpart. You must complete an initial tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) no later than 30 days after the re-start of the affected source and, if applicable, complete the one-time energy assessment specified in Table 3 to this subpart, no later than the compliance date specified in § 63.7495.

[78 FR 7164, Jan. 31, 2013]

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****When must I conduct subsequent performance tests or fuel analyses?**

(a) - (c) [Do not apply]

(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual performance tune-up according to § 63.7540(a)(10). Each annual tune-up specified in § 63.7540(a)(10) must be no more than 13 months after the previous tune-up.

(e) - (f) [Do not apply]

(g) You must complete a subsequent tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) and the schedule described in § 63.7540(a)(13) for units that are not operating at the time of their scheduled tune-up.

(h) - (i) [Do not apply]

**SECTION D. Source Level Requirements****# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.****How do I demonstrate continuous compliance with the emission limits and work practice standards?**

(a) You must demonstrate continuous compliance with the work practice standards in Table 3 to this subpart according to the methods specified in paragraphs (a)(1) through (19) of this section.

(1) - (9) [Do not apply]

(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.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

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

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

(11) - (12) [Do not apply]

(13) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

(14) - (19) [Do not apply]

(b) - (d) [Do not apply]

[78 FR 7179, Jan. 31, 2013]



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

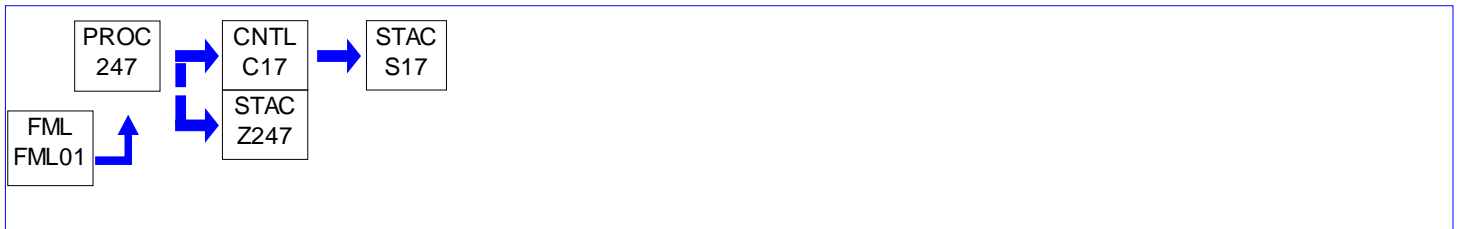
Source ID: 247

Source Name: LADLE PREHEATER/DRYER #1

Source Capacity/Throughput:

10.000 MCF/HR

Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Total allowable emission rates for Baghouse #3 (C01B) are given below:

1. Particulate Matter/PM10 0.0036 gr/dscf
2. Particulate Matter/PM10 29.9 lbs/hr
3. Particulate Matter/PM10 130.8 tpy based on a consecutive 12-month period
4. Carbon Monoxide 164.0 lbs/hr based on 30-day rolling average
5. Carbon Monoxide 718.3 tpy based on a consecutive 12-month period

[Plan Approval Number: 10-001B, Condition #10 and Plan Approval Number: 10-001I, Condition #7]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 25 PA Code 129.92.

The NO_x emission limit for the #3 baghouse (Control #C01B) inlet shall not exceed 75 lb/hr. The NO_x emissions to the baghouse may include during normal or maximum melt shop operating conditions contributions from the electric arc furnaces, casters, east argon stirring station, ladle preheaters, and various miscellaneous combustion sources located in the Melt Shop Building. Compliance with this #3 Baghouse emission limit shall be monitored by annual stack testing with the results being averaged and compared to the limit to show compliance.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

- a) Compliance with the CO emission limits shall be shown through an initial stack test and annual stack test thereafter outlined below.
- b) Compliance with the CO emission limits for the melt shop shall be demonstrated by way of an annual stack test. Stack testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection and the most current edition of the Department's "Source Testing Manual" for CO emissions. The stack test shall be performed while the melt shop is operating at maximum or normal rated capacity.

**SECTION D. Source Level Requirements**

- 1) Within 60 days of performing a stack test, three copies of a protocol shall be submitted in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The protocol shall contain, at a minimum, location of sampling ports, planned production rates, and any other information applicable to the stack testing. Performance of a stack test prior to Department approval of the protocol may invalidate the results.
- 2) At least 2 weeks prior to the test, the Department shall be informed, in writing, of the date and time of the test.
- 3) Within 60 days after completion of stack testing, three copies of the complete test report, including, but not limited to, production rates during testing, calculation methods and results, and any other applicable testing information that will allow for a complete review of the test and results, shall be submitted to the Department for approval.
- 4) Actions Related to Noncompliance Demonstrated by a Stack Test:

[From Plan Approval Number 10-0011, Condition #s 7 and 8.]

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

Authority for this condition is also derived from 129.92.

The permittee shall perform an annual stack test on #3 Baghouse inlet to show compliance with the 75 lb/hr NO_x emission limit. The stack test shall consist of a minimum of three (3) eight (8) hour stack tests utilizing a Department approved method. The results of all stack tests shall be averaged and compared with the emission limitation to show compliance.

III. MONITORING REQUIREMENTS.

**# 007 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.**

The permittee shall install and maintain at a conveniently readable location a magnehelic guage or equivalent to indicate the pressure drop across the control device.

IV. RECORDKEEPING REQUIREMENTS.

**# 008 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain a record of all preventive maintenance inspections of the control device. The inspection records, at a minimum, shall contain the dates of the inspections, any potential problems or defects that were encountered and steps taken to correct them.

**# 009 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record, daily, the pressure drop across the control device.

V. REPORTING REQUIREMENTS.

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

Authority for this condition is also derived from 25 PA Code 129.95.

The permittee shall notify the Department of the date and time of any testing, at least two (2) weeks prior to the test.

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

The permittee shall submit to the Department, within sixty (60) days after completion of the stack test, two (2) copies of the complete test report including all operating conditions for approval.

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

**SECTION D. Source Level Requirements**

The permittee shall submit to the Department, at least sixty (60) days before the scheduled stack test, two (2) copies of the stack test procedure and a sketch with the dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples for approval.

VI. WORK PRACTICE REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

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

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

The permittee shall perform an annual visual inspection of the baghouse bags for any tear or damage.

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

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 248

Source Name: LADLE PREHEATER/DRYER # 2

Source Capacity/Throughput:

10.000 MCF/HR

Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Total allowable emission rates for Baghouse #3 (C01B) are given below:

1. Particulate Matter/PM10 0.0036 gr/dscf
2. Particulate Matter/PM10 29.9 lbs/hr
3. Particulate Matter/PM10 130.8 tpy based on a consecutive 12-month period
4. Carbon Monoxide 164.0 lbs/hr based on 30-day rolling average
5. Carbon Monoxide 718.3 tpy based on a consecutive 12-month period

[Plan Approval Number: 10-001B, Condition #10 and Plan Approval Number: 10-001I, Condition #7]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 25 PA Code 129.92.

The NO_x emission limit for the #3 baghouse (Control #C01B) inlet shall not exceed 75 lb/hr. The NO_x emissions to the baghouse may include during normal or maximum melt shop operating conditions contributions from the electric arc furnaces, casters, east argon stirring station, ladle preheaters, and various miscellaneous combustion sources located in the Melt Shop Building. Compliance with this #3 Baghouse emission limit shall be monitored by annual stack testing with the results being averaged and compared to the limit to show compliance.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

- a) Compliance with the CO emission limits shall be shown through an initial stack test and annual stack test thereafter outlined below.
- b) Compliance with the CO emission limits for the melt shop shall be demonstrated by way of an annual stack test. Stack testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection and the most current edition of the Department's "Source Testing Manual" for CO emissions. The stack test shall be performed while the melt shop is operating at maximum or normal rated capacity.

**SECTION D. Source Level Requirements**

- 1) Within 60 days of performing a stack test, three copies of a protocol shall be submitted in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The protocol shall contain, at a minimum, location of sampling ports, planned production rates, and any other information applicable to the stack testing. Performance of a stack test prior to Department approval of the protocol may invalidate the results.
- 2) At least 2 weeks prior to the test, the Department shall be informed, in writing, of the date and time of the test.
- 3) Within 60 days after completion of stack testing, three copies of the complete test report, including, but not limited to, production rates during testing, calculation methods and results, and any other applicable testing information that will allow for a complete review of the test and results, shall be submitted to the Department for approval.
- 4) Actions Related to Noncompliance Demonstrated by a Stack Test:

[From Plan Approval Number 10-0011, Condition #s 7 and 8.]

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

Authority for this condition is also derived from 129.92.

The permittee shall perform an annual stack test on #3 Baghouse inlet to show compliance with the 75 lb/hr NO_x emission limit. The stack test shall consist of a minimum of three (3) eight (8) hour stack tests utilizing a Department approved method. The results of all stack tests shall be averaged and compared with the emission limitation to show compliance.

III. MONITORING REQUIREMENTS.

**# 007 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.**

The permittee shall install and maintain at a conveniently readable location a magnehelic guage or equivalent to indicate the pressure drop across the control device.

IV. RECORDKEEPING REQUIREMENTS.

**# 008 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain a record of all preventive maintenance inspections of the control device. The inspection records, at a minimum, shall contain the dates of the inspections, any potential problems or defects that were encountered and steps taken to correct them.

**# 009 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record, daily, the pressure drop across the control device.

V. REPORTING REQUIREMENTS.

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

Authority for this condition is also derived from 25 PA Code 129.95.

The permittee shall notify the Department of the date and time of any testing, at least two (2) weeks prior to the test.

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

The permittee shall submit to the Department, within sixty (60) days after completion of the stack test, two (2) copies of the complete test report including all operating conditions for approval.

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

**SECTION D. Source Level Requirements**

The permittee shall submit to the Department, at least sixty (60) days before the scheduled stack test, two (2) copies of the stack test procedure and a sketch with the dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples for approval.

VI. WORK PRACTICE REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

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

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

The permittee shall perform an annual visual inspection of the baghouse bags for any tear or damage.

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

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

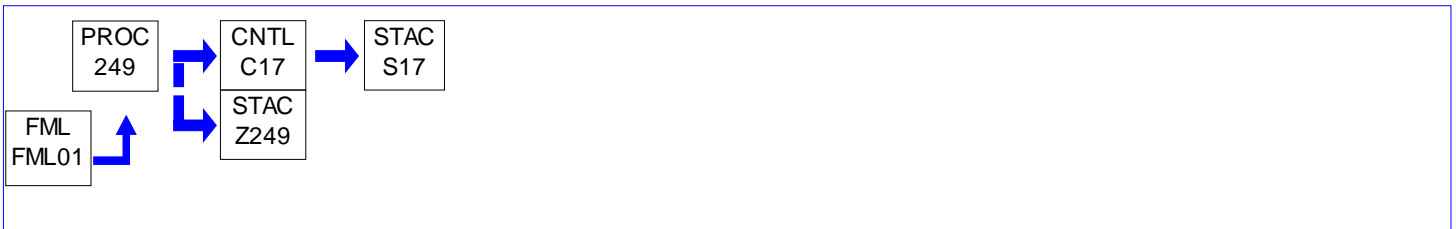
Source ID: 249

Source Name: LADLE PREHEATER/DRYER # 3

Source Capacity/Throughput:

10.000 MCF/HR

Natural Gas

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

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

Total allowable emission rates for Baghouse #3 (C01B) are given below:

1. Particulate Matter/PM10 0.0036 gr/dscf
2. Particulate Matter/PM10 29.9 lbs/hr
3. Particulate Matter/PM10 130.8 tpy based on a consecutive 12-month period
4. Carbon Monoxide 164.0 lbs/hr based on 30-day rolling average
5. Carbon Monoxide 718.3 tpy based on a consecutive 12-month period

[Plan Approval Number: 10-001B, Condition #10 and Plan Approval Number: 10-001I, Condition #7]

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

Authority for this condition is also derived from 25 PA Code 129.92.

The NO_x emission limit for the #3 baghouse (Control #C01B) inlet shall not exceed 75 lb/hr. The NO_x emissions to the baghouse may include during normal or maximum melt shop operating conditions contributions from the electric arc furnaces, casters, east argon stirring station, ladle preheaters, and various miscellaneous combustion sources located in the Melt Shop Building. Compliance with this #3 Baghouse emission limit shall be monitored by annual stack testing with the results being averaged and compared to the limit to show compliance.

II. TESTING REQUIREMENTS.**# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- a) Compliance with the CO emission limits shall be shown through an initial stack test and annual stack test thereafter outlined below.
- b) Compliance with the CO emission limits for the melt shop shall be demonstrated by way of an annual stack test. Stack testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection and the most current edition of the Department's "Source Testing Manual" for CO emissions. The stack test shall be performed while the melt shop is operating at maximum or normal rated capacity.

SECTION D. Source Level Requirements

- 1) Within 60 days of performing a stack test, three copies of a protocol shall be submitted in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The protocol shall contain, at a minimum, location of sampling ports, planned production rates, and any other information applicable to the stack testing. Performance of a stack test prior to Department approval of the protocol may invalidate the results.
- 2) At least 2 weeks prior to the test, the Department shall be informed, in writing, of the date and time of the test.
- 3) Within 60 days after completion of stack testing, three copies of the complete test report, including, but not limited to, production rates during testing, calculation methods and results, and any other applicable testing information that will allow for a complete review of the test and results, shall be submitted to the Department for approval.
- 4) Actions Related to Noncompliance Demonstrated by a Stack Test:

[From Plan Approval Number 10-0011, Condition #s 7 and 8.]

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

Authority for this condition is also derived from 129.92.

The permittee shall perform an annual stack test on #3 Baghouse inlet to show compliance with the 75 lb/hr NO_x emission limit. The stack test shall consist of a minimum of three (3) eight (8) hour stack tests utilizing a Department approved method. The results of all stack tests shall be averaged and compared with the emission limitation to show compliance.

III. MONITORING REQUIREMENTS.**# 007 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.**

The permittee shall install and maintain at a conveniently readable location a magnehelic guage or equivalent to indicate the pressure drop across the control device.

IV. RECORDKEEPING REQUIREMENTS.**# 008 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain a record of all preventive maintenance inspections of the control device. The inspection records, at a minimum, shall contain the dates of the inspections, any potential problems or defects that were encountered and steps taken to correct them.

**# 009 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record, daily, the pressure drop across the control device.

V. REPORTING REQUIREMENTS.**# 010 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.95.

The permittee shall notify the Department of the date and time of any testing, at least two (2) weeks prior to the test.

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

The permittee shall submit to the Department, at least sixty (60) days before the scheduled stack test, two (2) copies of the stack test procedure and a sketch with the dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples for approval.

**SECTION D. Source Level Requirements****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit to the Department, within sixty (60) days after completion of the stack test, two (2) copies of the complete test report including all operating conditions for approval.

VI. WORK PRACTICE REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

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

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

The permittee shall perform an annual visual inspection of the baghouse bags for any tear or damage.

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

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

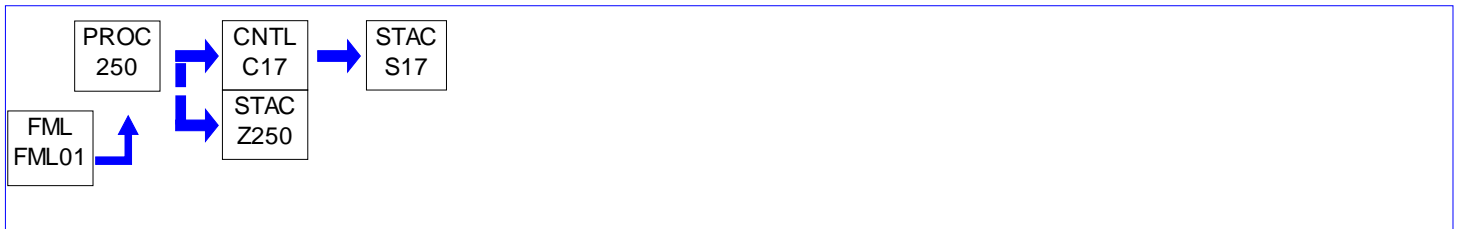
Source ID: 250

Source Name: LADLE PREHEATER/DRYER # 4

Source Capacity/Throughput:

10.000 MCF/HR

Natural Gas

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

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

Total allowable emission rates for Baghouse #3 (C01B) are given below:

1. Particulate Matter/PM10 0.0036 gr/dscf
2. Particulate Matter/PM10 29.9 lbs/hr
3. Particulate Matter/PM10 130.8 tpy based on a consecutive 12-month period
4. Carbon Monoxide 164.0 lbs/hr based on 30-day rolling average
5. Carbon Monoxide 718.3 tpy based on a consecutive 12-month period

[Plan Approval Number: 10-001B, Condition #10 and Plan Approval Number: 10-001I, Condition #7]

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

Authority for this condition is also derived from 25 PA Code 129.92.

The NO_x emission limit for the #3 baghouse (Control #C01B) inlet shall not exceed 75 lb/hr. The NO_x emissions to the baghouse may include during normal or maximum melt shop operating conditions contributions from the electric arc furnaces, casters, east argon stirring station, ladle preheaters, and various miscellaneous combustion sources located in the Melt Shop Building. Compliance with this #3 Baghouse emission limit shall be monitored by annual stack testing with the results being averaged and compared to the limit to show compliance.

II. TESTING REQUIREMENTS.**# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- a) Compliance with the CO emission limits shall be shown through an initial stack test and annual stack test thereafter outlined below.
- b) Compliance with the CO emission limits for the melt shop shall be demonstrated by way of an annual stack test. Stack testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection and the most current edition of the Department's "Source Testing Manual" for CO emissions. The stack test shall be performed while the melt shop is operating at maximum or normal rated capacity.

**SECTION D. Source Level Requirements**

- 1) Within 60 days of performing a stack test, three copies of a protocol shall be submitted in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The protocol shall contain, at a minimum, location of sampling ports, planned production rates, and any other information applicable to the stack testing. Performance of a stack test prior to Department approval of the protocol may invalidate the results.
- 2) At least 2 weeks prior to the test, the Department shall be informed, in writing, of the date and time of the test.
- 3) Within 60 days after completion of stack testing, three copies of the complete test report, including, but not limited to, production rates during testing, calculation methods and results, and any other applicable testing information that will allow for a complete review of the test and results, shall be submitted to the Department for approval.
- 4) Actions Related to Noncompliance Demonstrated by a Stack Test:

[From Plan Approval Number 10-0011, Condition #s 7 and 8.]

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

Authority for this condition is also derived from 129.92.

The permittee shall perform an annual stack test on #3 Baghouse inlet to show compliance with the 75 lb/hr NOx emission limit. The stack test shall consist of a minimum of three (3) eight (8) hour stack tests utilizing a Department approved method. The results of all stack tests shall be averaged and compared with the emission limitation to show compliance.

III. MONITORING REQUIREMENTS.

007 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.

The permittee shall install and maintain at a conveniently readable location a magnehelic guage or equivalent to indicate the pressure drop across the control device.

IV. RECORDKEEPING REQUIREMENTS.

008 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain a record of all preventive maintenance inspections of the control device. The inspection records, at a minimum, shall contain the dates of the inspections, any potential problems or defects that were encountered and steps taken to correct them.

009 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.

The permittee shall record, daily, the pressure drop across the control device.

V. REPORTING REQUIREMENTS.

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

Authority for this condition is also derived from 25 PA Code 129.95.

The permittee shall notify the Department of the date and time of any testing, at least two (2) weeks prior to the test.

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

The permittee shall submit to the Department, at least sixty (60) days before the scheduled stack test, two (2) copies of the stack test procedure and a sketch with the dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples for approval.

**SECTION D. Source Level Requirements****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit to the Department, within sixty (60) days after completion of the stack test, two (2) copies of the complete test report including all operating conditions for approval.

VI. WORK PRACTICE REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

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

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

The permittee shall perform an annual visual inspection of the baghouse bags for any tear or damage.

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

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

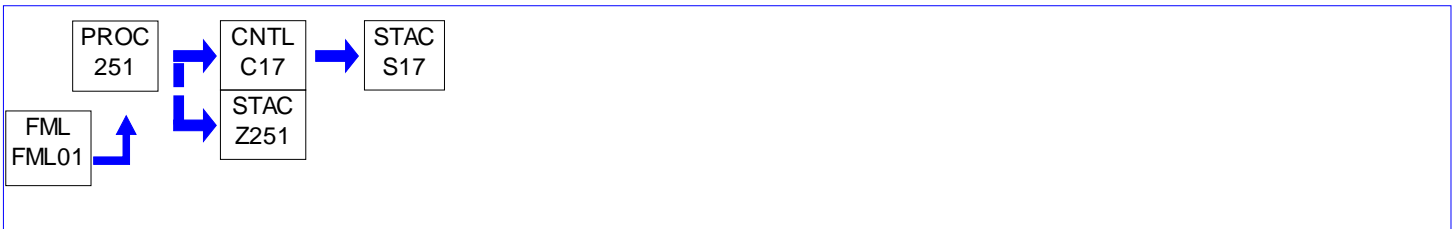
Source ID: 251

Source Name: LADLE PREHEATER/DRYER # 5

Source Capacity/Throughput:

12.000 MCF/HR

Natural Gas

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

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

Total allowable emission rates for Baghouse #3 (C01B) are given below:

1. Particulate Matter/PM10 0.0036 gr/dscf
2. Particulate Matter/PM10 29.9 lbs/hr
3. Particulate Matter/PM10 130.8 tpy based on a consecutive 12-month period
4. Carbon Monoxide 164.0 lbs/hr based on 30-day rolling average
5. Carbon Monoxide 718.3 tpy based on a consecutive 12-month period

[Plan Approval Number: 10-001B, Condition #10 and Plan Approval Number: 10-001I, Condition #7]

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

Authority for this condition is also derived from 25 PA Code 129.92.

The NO_x emission limit for the #3 baghouse (Control #C01B) inlet shall not exceed 75 lb/hr. The NO_x emissions to the baghouse may include during normal or maximum melt shop operating conditions contributions from the electric arc furnaces, casters, east argon stirring station, ladle preheaters, and various miscellaneous combustion sources located in the Melt Shop Building. Compliance with this #3 Baghouse emission limit shall be monitored by annual stack testing with the results being averaged and compared to the limit to show compliance.

II. TESTING REQUIREMENTS.**# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- a) Compliance with the CO emission limits shall be shown through an initial stack test and annual stack test thereafter outlined below.
- b) Compliance with the CO emission limits for the melt shop shall be demonstrated by way of an annual stack test. Stack testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection and the most current edition of the Department's "Source Testing Manual" for CO emissions. The stack test shall be performed while the melt shop is operating at maximum or normal rated capacity.

SECTION D. Source Level Requirements

- 1) Within 60 days of performing a stack test, three copies of a protocol shall be submitted in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The protocol shall contain, at a minimum, location of sampling ports, planned production rates, and any other information applicable to the stack testing. Performance of a stack test prior to Department approval of the protocol may invalidate the results.
- 2) At least 2 weeks prior to the test, the Department shall be informed, in writing, of the date and time of the test.
- 3) Within 60 days after completion of stack testing, three copies of the complete test report, including, but not limited to, production rates during testing, calculation methods and results, and any other applicable testing information that will allow for a complete review of the test and results, shall be submitted to the Department for approval.
- 4) Actions Related to Noncompliance Demonstrated by a Stack Test:

[From Plan Approval Number 10-0011, Condition #s 7 and 8.]

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

Authority for this condition is also derived from 129.92.

The permittee shall perform an annual stack test on #3 Baghouse inlet to show compliance with the 75 lb/hr NO_x emission limit. The stack test shall consist of a minimum of three (3) eight (8) hour stack tests utilizing a Department approved method. The results of all stack tests shall be averaged and compared with the emission limitation to show compliance.

III. MONITORING REQUIREMENTS.**# 007 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.**

The permittee shall install and maintain at a conveniently readable location a magnehelic guage or equivalent to indicate the pressure drop across the control device.

IV. RECORDKEEPING REQUIREMENTS.**# 008 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain a record of all preventive maintenance inspections of the control device. The inspection records, at a minimum, shall contain the dates of the inspections, any potential problems or defects that were encountered and steps taken to correct them.

**# 009 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record, daily, the pressure drop across the control device.

V. REPORTING REQUIREMENTS.**# 010 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.95.

The permittee shall notify the Department of the date and time of any testing, at least two (2) weeks prior to the test.

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

The permittee shall submit to the Department, at least sixty (60) days before the scheduled stack test, two (2) copies of the stack test procedure and a sketch with the dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples for approval.

**SECTION D. Source Level Requirements****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit to the Department, within sixty (60) days after completion of the stack test, two (2) copies of the complete test report including all operating conditions for approval.

VI. WORK PRACTICE REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

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

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

The permittee shall perform an annual visual inspection of the baghouse bags for any tear or damage.

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

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

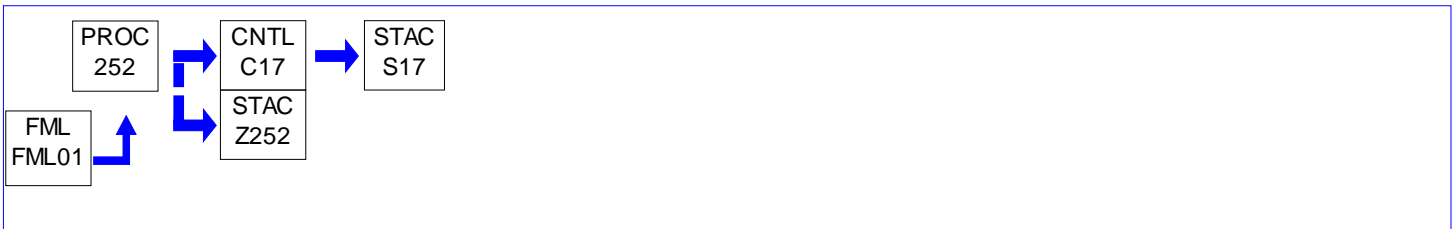
Source ID: 252

Source Name: LADLE PREHEATER/DRYER # 6

Source Capacity/Throughput:

10.000 MCF/HR

Natural Gas

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

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

Total allowable emission rates for Baghouse #3 (C01B) are given below:

1. Particulate Matter/PM10 0.0036 gr/dscf
2. Particulate Matter/PM10 29.9 lbs/hr
3. Particulate Matter/PM10 130.8 tpy based on a consecutive 12-month period
4. Carbon Monoxide 164.0 lbs/hr based on 30-day rolling average
5. Carbon Monoxide 718.3 tpy based on a consecutive 12-month period

[Plan Approval Number: 10-001B, Condition #10 and Plan Approval Number: 10-001I, Condition #7]

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

Authority for this condition is also derived from 25 PA Code 129.92.

The NO_x emission limit for the #3 baghouse (Control #C01B) inlet shall not exceed 75 lb/hr. The NO_x emissions to the baghouse may include during normal or maximum melt shop operating conditions contributions from the electric arc furnaces, casters, east argon stirring station, ladle preheaters, and various miscellaneous combustion sources located in the Melt Shop Building. Compliance with this #3 Baghouse emission limit shall be monitored by annual stack testing with the results being averaged and compared to the limit to show compliance.

II. TESTING REQUIREMENTS.**# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- a) Compliance with the CO emission limits shall be shown through an initial stack test and annual stack test thereafter outlined below.
- b) Compliance with the CO emission limits for the melt shop shall be demonstrated by way of an annual stack test. Stack testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection and the most current edition of the Department's "Source Testing Manual" for CO emissions. The stack test shall be performed while the melt shop is operating at maximum or normal rated capacity.

**SECTION D. Source Level Requirements**

- 1) Within 60 days of performing a stack test, three copies of a protocol shall be submitted in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The protocol shall contain, at a minimum, location of sampling ports, planned production rates, and any other information applicable to the stack testing. Performance of a stack test prior to Department approval of the protocol may invalidate the results.
- 2) At least 2 weeks prior to the test, the Department shall be informed, in writing, of the date and time of the test.
- 3) Within 60 days after completion of stack testing, three copies of the complete test report, including, but not limited to, production rates during testing, calculation methods and results, and any other applicable testing information that will allow for a complete review of the test and results, shall be submitted to the Department for approval.
- 4) Actions Related to Noncompliance Demonstrated by a Stack Test:

[From Plan Approval Number 10-0011, Condition #s 7 and 8.]

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

Authority for this condition is also derived from 129.92.

The permittee shall perform an annual stack test on #3 Baghouse inlet to show compliance with the 75 lb/hr NO_x emission limit. The stack test shall consist of a minimum of three (3) eight (8) hour stack tests utilizing a Department approved method. The results of all stack tests shall be averaged and compared with the emission limitation to show compliance.

III. MONITORING REQUIREMENTS.

**# 007 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.**

The permittee shall install and maintain at a conveniently readable location a magnehelic guage or equivalent to indicate the pressure drop across the control device.

IV. RECORDKEEPING REQUIREMENTS.

**# 008 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain a record of all preventive maintenance inspections of the control device. The inspection records, at a minimum, shall contain the dates of the inspections, any potential problems or defects that were encountered and steps taken to correct them.

**# 009 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record, daily, the pressure drop across the control device.

V. REPORTING REQUIREMENTS.

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

Authority for this condition is also derived from 25 PA Code 129.95.

The permittee shall notify the Department of the date and time of any testing, at least two (2) weeks prior to the test.

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

The permittee shall submit to the Department, at least sixty (60) days before the scheduled stack test, two (2) copies of the stack test procedure and a sketch with the dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples for approval.

**SECTION D. Source Level Requirements****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit to the Department, within sixty (60) days after completion of the stack test, two (2) copies of the complete test report including all operating conditions for approval.

VI. WORK PRACTICE REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

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

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

The permittee shall perform an annual visual inspection of the baghouse bags for any tear or damage.

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

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 255

Source Name: LADLE PREHEATER/DRYER #8

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Total allowable emission rates for Baghouse #3 (C01B) are given below:

1. Particulate Matter/PM10 0.0036 gr/dscf
2. Particulate Matter/PM10 29.9 lbs/hr
3. Particulate Matter/PM10 130.8 tpy based on a consecutive 12-month period
4. Carbon Monoxide 164.0 lbs/hr based on 30-day rolling average
5. Carbon Monoxide 718.3 tpy based on a consecutive 12-month period

[Plan Approval Number: 10-001B, Condition #10 and Plan Approval Number: 10-001I, Condition #7]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Authority for this condition is also derived from 25 PA Code 129.92.

The NO_x emission limit for the #3 baghouse (Control #C01B) inlet shall not exceed 75 lb/hr. The NO_x emissions to the baghouse may include during normal or maximum melt shop operating conditions contributions from the electric arc furnaces, casters, east argon stirring station, ladle preheaters, and various miscellaneous combustion sources located in the Melt Shop Building. Compliance with this #3 Baghouse emission limit shall be monitored by annual stack testing with the results being averaged and compared to the limit to show compliance.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

- a) Compliance with the CO emission limits shall be shown through an initial stack test and annual stack test thereafter outlined below.
- b) Compliance with the CO emission limits for the melt shop shall be demonstrated by way of an annual stack test. Stack testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection and the most current edition of the Department's "Source Testing Manual" for CO emissions. The stack test shall be performed while the melt shop is operating at maximum or normal rated capacity.
 - 1) Within 60 days of performing a stack test, three copies of a protocol shall be submitted in accordance with the

SECTION D. Source Level Requirements

provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The protocol shall contain, at a minimum, location of sampling ports, planned production rates, and any other information applicable to the stack testing. Performance of a stack test prior to Department approval of the protocol may invalidate the results.

- 2) At least 2 weeks prior to the test, the Department shall be informed, in writing, of the date and time of the test.
- 3) Within 60 days after completion of stack testing, three copies of the complete test report, including, but not limited to, production rates during testing, calculation methods and results, and any other applicable testing information that will allow for a complete review of the test and results, shall be submitted to the Department for approval.
- 4) Actions Related to Noncompliance Demonstrated by a Stack Test:

[From Plan Approval Number 10-0011, Condition #s 7 and 8.]

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

Authority for this condition is also derived from 129.92.

The permittee shall perform an annual stack test on #3 Baghouse inlet to show compliance with the 75 lb/hr NOx emission limit. The stack test shall consist of a minimum of three (3) eight (8) hour stack tests utilizing a Department approved method. The results of all stack tests shall be averaged and compared with the emission limitation to show compliance.

III. MONITORING REQUIREMENTS.**# 007 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall install and maintain at a conveniently readable location a magnehelic guage or equivalent to indicate the pressure drop across the control device.

IV. RECORDKEEPING REQUIREMENTS.**# 008 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain a record of all preventive maintenance inspections of the control device. The inspection records, at a minimum, shall contain the dates of the inspections, any potential problems or defects that were encountered and steps taken to correct them.

009 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record, daily, the pressure drop across the control device.

V. REPORTING REQUIREMENTS.**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.95.

The permittee shall notify the Department of the date and time of any testing, at least two (2) weeks prior to the test.

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

The permittee shall submit to the Department, within sixty (60) days after completion of the stack test, two (2) copies of the complete test report including all operating conditions for approval.

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

The permittee shall submit to the Department, at least sixty (60) days before the scheduled stack test, two (2) copies of the

SECTION D. Source Level Requirements

stack test procedure and a sketch with the dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples for approval.

VI. WORK PRACTICE REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93.

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

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

The permittee shall perform an annual visual inspection of the baghouse bags for any tear or damage.

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

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

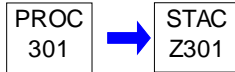
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 301

Source Name: PARTS WASHERS (NUMEROUS SMALL)

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 001 [25 Pa. Code §129.63]****Degreasing operations**

(a) Cold cleaning machines. Except for those subject to the Federal National emissions standards for hazardous air pollutants (NESHAP) for halogenated solvent cleaners under 40 CFR Part 63 (relating to National emission standards for hazardous air pollutants for source categories), this subsection applies to cold cleaning machines that use 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

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

(2) Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:

(i) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (3). In addition, the label shall include the following discretionary good operating practices:

(A) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the cold cleaning machine.

(B) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.

(C) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

**SECTION D. Source Level Requirements**

(ii) Be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover.

(3) Cold cleaning machines shall be operated in accordance with the following procedures:

(i) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.

(ii) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.

(iii) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.

(iv) Air agitated solvent baths may not be used.

(v) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

(4) After December 22, 2002, a person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(5) On and after December 22, 2002, a person who sells or offers for sale any solvent containing VOCs for use in a cold cleaning machine shall provide, to the purchaser, the following written information:

(i) The name and address of the solvent supplier.

(ii) The type of solvent including the product or vendor identification number.

(iii) The vapor pressure of the solvent measured in mm hg at 20°C (68°F).

(6) A person who operates a cold cleaning machine shall maintain for at least 2 years and shall provide to the Department, on request, the information specified in paragraph (5). An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

(7) Paragraph (4) does not apply:

(i) To cold cleaning machines used in extreme cleaning service.

(ii) If the owner or operator of the cold cleaning machine demonstrates, and the Department approves in writing, that compliance with paragraph (4) will result in unsafe operating conditions.

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

(b) [Does not apply]

(c) [Does not apply]

(d) [Does not apply]

(e) [Does not apply]



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

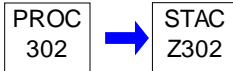
Source ID: 302

Source Name: #7 LADLE DRYING STATION

Source Capacity/Throughput:

9.900 MCF/HR

Natural Gas

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

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

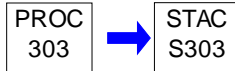
Source ID: 303

Source Name: MISC. PROCESS HEATERS

Source Capacity/Throughput:

81.800 MCF/HR

Natural Gas

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

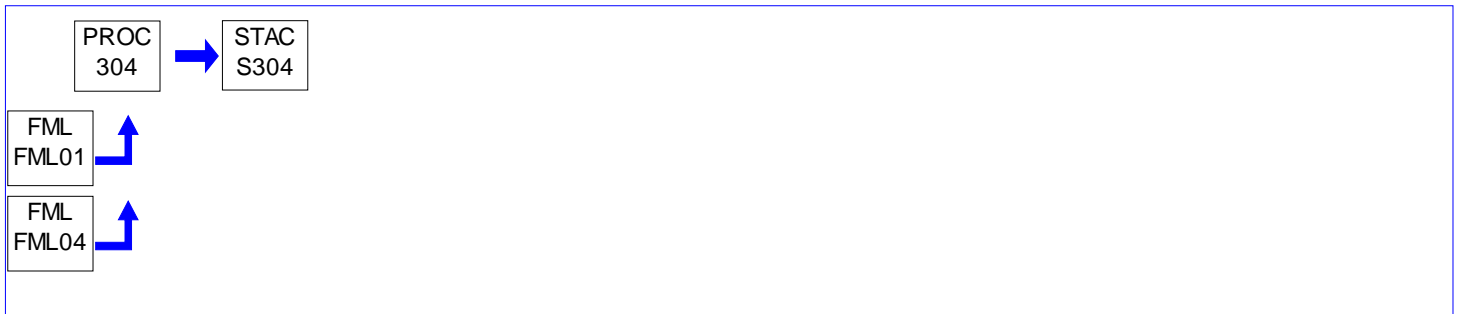
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 304

Source Name: STANDBY GENERATORS (NATURAL GAS/PROPANE)

Source Capacity/Throughput:	15.000 MCF/HR	Natural Gas
	419.000 Gal/HR	Propane

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

This source shall burn only natural gas or propane as a fuel.

Operation Hours Restriction(s).

004 [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 and operating limitations?**

(a) [See Work Practice Requirements]

(b) [See Reporting Requirements]

(c) - (d) [Do not apply]

(e) [See Reporting Requirements]

(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.

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

(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i)

**SECTION D. Source Level Requirements**

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).

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(ii) Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see § 63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(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.

(4) [Does not apply]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

005 [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?

(a) - (d) [Do not apply]

(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:

(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

(f) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 HP located at a major source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.

(g) [Does not apply]

**SECTION D. Source Level Requirements**

(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.

(i) [Does not apply]

(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 33506, June 15, 2004, as amended at 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6703, Jan. 30, 2013]

IV. RECORDKEEPING REQUIREMENTS.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What records must I keep?

(a) If you must comply with the emission and operating limitations, you must keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in § 63.10(b)(2)(xiv).

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(3) Records of performance tests and performance evaluations as required in § 63.10(b)(2)(viii).

(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with § 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(b) - (c) [Do not apply]

(d) You must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to you.

(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated

**SECTION D. Source Level Requirements**

and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE;

- (1) An existing stationary RICE with a site rating of less than 100 brake HP located at a major source of HAP emissions.
- (2) An existing stationary emergency RICE.
- (3) [Does not apply]

(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the 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.

(1) An existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that does not meet the standards applicable to non-emergency engines.

- (2) [Does not apply]

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 78 FR 6706, Jan. 30, 2013]

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

In what form and how long must I keep my records?

- (a) Your records must be in a form suitable and readily available for expeditious review according to § 63.10(b)(1).
- (b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- (c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1).

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010]

V. REPORTING REQUIREMENTS.

008 [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 and operating limitations?

- (a) [See Work Practice Requirements]
- (b) You must report each instance in which you did not meet each emission limitation or operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in § 63.6650.
- (c) - (d) [Do not apply]
- (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

**SECTION D. Source Level Requirements**

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.

(f) [See Restrictions Requierments]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013]

VI. WORK PRACTICE REQUIREMENTS.**# 009 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?**

If you own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions, you must comply with the emission limitations and other requirements in Table 2c to this subpart which apply to you.

[From Table 2C, Paragraph 6]

For each Emergency stationary SI RICE you must meet the following requirement:

- 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.

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.

[75 FR 9675, Mar. 3, 2010, as amended at 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6701, Jan. 30, 2013]

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my general requirements for complying with this subpart?**

(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

**SECTION D. Source Level Requirements**

(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[75 FR 9675, Mar. 3, 2010, as amended at 78 FR 6702, Jan. 30, 2013]

012 [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 and operating limitations?**

(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.

[From Table 6, Paragraph 9]

For each existing emergency stationary RICE less than or equal to 500 HP located at a major source of HAP 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.

(b) [See Reporting Requirements]

(c) - (d) [Do not apply]

(e) [See Reporting Requirements]

(f) [See Restrictions Requierments]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013]

VII. ADDITIONAL REQUIREMENTS.**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6580]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What is the purpose of subpart ZZZZ?**

Subpart ZZZZ establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

[73 FR 3603, Jan. 18, 2008]

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]

**SECTION D. Source Level Requirements****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.

- (a) A stationary RICE is any internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.
- (b) A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year, except that for oil and gas production facilities, a major source of HAP emissions is determined for each surface site.
- (c) An area source of HAP emissions is a source that is not a major source.
- (d) If you are an owner or operator of an area source subject to this subpart, your status as an entity subject to a standard or other requirements under this subpart does not subject you to the obligation to obtain a permit under 40 CFR part 70 or 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable.
- (e) If you are an owner or operator of a stationary RICE used for national security purposes, you may be eligible to request an exemption from the requirements of this subpart as described in 40 CFR part 1068, subpart C.
- (f) The emergency stationary RICE listed in paragraphs (f)(1) through (3) of this section are not subject to this subpart. The stationary RICE must meet the definition of an emergency stationary RICE in § 63.6675, which includes operating according to the provisions specified in § 63.6640(f).

(1) Existing residential emergency stationary RICE located at an area source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii) and that do not operate for the purpose specified in § 63.6640(f)(4)(ii).

(2) Existing commercial emergency stationary RICE located at an area source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii) and that do not operate for the purpose specified in § 63.6640(f)(4)(ii).

(3) Existing institutional emergency stationary RICE located at an area source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii) and that do not operate for the purpose specified in § 63.6640(f)(4)(ii).

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

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What parts of my plant does this subpart cover?**

This subpart applies to each affected source.

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

- (1) Existing stationary RICE.

**SECTION D. Source Level Requirements**

(i) For stationary RICE with a site rating of more than 500 brake horsepower (HP) located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before December 19, 2002.

(ii) For stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

(iii) For stationary RICE located at an area source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

(iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.

(2) New stationary RICE.

(i) A stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions is new if you commenced construction of the stationary RICE on or after December 19, 2002.

(ii) A stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions is new if you commenced construction of the stationary RICE on or after June 12, 2006.

(iii) A stationary RICE located at an area source of HAP emissions is new if you commenced construction of the stationary RICE on or after June 12, 2006.

(3) Reconstructed stationary RICE.

(i) A stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions is reconstructed if you meet the definition of reconstruction in § 63.2 and reconstruction is commenced on or after December 19, 2002.

(ii) A stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions is reconstructed if you meet the definition of reconstruction in § 63.2 and reconstruction is commenced on or after June 12, 2006.

(iii) A stationary RICE located at an area source of HAP emissions is reconstructed if you meet the definition of reconstruction in § 63.2 and reconstruction is commenced on or after June 12, 2006.

(b) Stationary RICE subject to limited requirements.

(1) An affected source which meets either of the criteria in paragraphs (b)(1)(i) through (ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of § 63.6645(f).

(i) The stationary RICE is a new or reconstructed emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that does not operate or is not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii).

(ii) The stationary RICE is a new or reconstructed limited use stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions.

(2) A new or reconstructed stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis must meet the initial notification requirements of § 63.6645(f) and the requirements of §§ 63.6625(c), 63.6650(g), and 63.6655(c). These stationary RICE do not have to meet the emission limitations and operating limitations of this subpart.

**SECTION D. Source Level Requirements**

(3) The following stationary RICE do not have to meet the requirements of this subpart and of subpart A of this part, including initial notification requirements:

(i) Existing spark ignition 2 stroke lean burn (2SLB) stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;

(ii) Existing spark ignition 4 stroke lean burn (4SLB) stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;

(iii) Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that does not operate or is not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii).

(iv) Existing limited use stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;

(v) Existing stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis;

(c) Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

(1) A new or reconstructed stationary RICE located at an area source;

(2) A new or reconstructed 2SLB stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions;

(3) A new or reconstructed 4SLB stationary RICE with a site rating of less than 250 brake HP located at a major source of HAP emissions;

(4) A new or reconstructed spark ignition 4 stroke rich burn (4SRB) stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions;

(5) A new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis;

(6) A new or reconstructed emergency or limited use stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions;

(7) A new or reconstructed compression ignition (CI) stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9674, Mar. 3, 2010; 75 FR 37733, June 30, 2010; 75 FR 51588, Aug. 20, 2010; 78 FR 6700, Jan. 30, 2013]

016 [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?

(a) Affected sources.

(1) If you have an existing stationary RICE, excluding existing non-emergency CI stationary RICE, with a site rating of more than 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations,

**SECTION D. Source Level Requirements**

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

(2) If you start up your new or reconstructed stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions before August 16, 2004, you must comply with the applicable emission limitations and operating limitations in this subpart no later than August 16, 2004.

(3) If you start up your new or reconstructed stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions after August 16, 2004, you must comply with the applicable emission limitations and operating limitations in this subpart upon startup of your affected source.

(4) If you start up your 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 before January 18, 2008, you must comply with the applicable emission limitations and operating limitations in this subpart no later than January 18, 2008.

(5) If you start up your 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 after January 18, 2008, you must comply with the applicable emission limitations and operating limitations in this subpart upon startup of your affected source.

(6) If you start up your new or reconstructed stationary RICE located at an area source of HAP emissions before January 18, 2008, you must comply with the applicable emission limitations and operating limitations in this subpart no later than January 18, 2008.

(7) If you start up your new or reconstructed stationary RICE located at an area source of HAP emissions after January 18, 2008, you must comply with the applicable emission limitations and operating limitations in this subpart upon startup of your affected source.

(b) Area sources that become major sources. If you have an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP, the compliance dates in paragraphs (b)(1) and (2) of this section apply to you.

(1) Any stationary RICE for which construction or reconstruction is commenced after the date when your area source becomes a major source of HAP must be in compliance with this subpart upon startup of your affected source.

(2) Any stationary RICE for which construction or reconstruction is commenced before your area source becomes a major source of HAP must be in compliance with the provisions of this subpart that are applicable to RICE located at major sources within 3 years after your area source becomes a major source of HAP.

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

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

017 [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?

[Please refer to 40 CFR 63, Subpart ZZZZ for Table 8]

**SECTION D. Source Level Requirements****# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6670]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Who implements and enforces this subpart?**

(a) This subpart is implemented and enforced by the U.S. EPA, or a delegated authority such as your State, local, or tribal agency. If the U.S. EPA Administrator has delegated authority to your State, local, or tribal agency, then that agency (as well as the U.S. EPA) has the authority to implement and enforce this subpart. You should contact your U.S. EPA Regional Office to find out whether this subpart is delegated to your State, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under 40 CFR part 63, subpart E, the authorities contained in paragraph (c) of this section are retained by the Administrator of the U.S. EPA and are not transferred to the State, local, or tribal agency.

(c) The authorities that will not be delegated to State, local, or tribal agencies are:

- (1) Approval of alternatives to the non-opacity emission limitations and operating limitations in § 63.6600 under § 63.6(g).
- (2) Approval of major alternatives to test methods under § 63.7(e)(2)(ii) and (f) and as defined in § 63.90.
- (3) Approval of major alternatives to monitoring under § 63.8(f) and as defined in § 63.90.
- (4) Approval of major alternatives to recordkeeping and reporting under § 63.10(f) and as defined in § 63.90.
- (5) Approval of a performance test which was conducted prior to the effective date of the rule, as specified in § 63.6610(b).

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What definitions apply to this subpart?**

[Please refer to Subpart ZZZZ for the applicable definitions.]

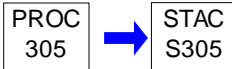
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 305

Source Name: STANDBY GENERATORS/PUMPS (DIESEL) <500 HP

Source Capacity/Throughput: 100.000 Gal/HR #2 Oil

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Operation Hours Restriction(s).**# 003 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

Each of the diesel engines included in this source are limited to no more than 500 hours of operation during any consecutive 12-month rolling period.

[Authority for this restriction is derived from 25 Pa. Code 129.93(c).]

004 [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 and operating limitations?**

(a) [See Work Practice Requirements]

(b) [See Reporting Requirements]

(c) - (d) [Do not apply]

(e) [See Reporting Requirements]

(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.

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

(2) You may operate your emergency stationary RICE for 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).

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests

**SECTION D. Source Level Requirements**

are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(ii) Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see § 63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(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.

(4) [Does not apply]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

005 [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?

(a) - (d) [Do not apply]

(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:

(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;

(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, you must install a non-resettable hour meter if one is not already installed.

(g) [Does not apply]

(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.

**SECTION D. Source Level Requirements**

(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.

(j) [Does not apply]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6703, Jan. 30, 2013]

IV. RECORDKEEPING REQUIREMENTS.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What records must I keep?

(a) - (d) [Do not apply]

(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE;

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

(2) An existing stationary emergency RICE.

(3) [Does not apply]

(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the 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.

(1) An existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that does not meet the standards applicable to non-emergency engines.

(2) [Does not apply]

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 78 FR 6706, Jan. 30, 2013]

007 [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

**SECTION D. Source Level Requirements****In what form and how long must I keep my records?**

- (a) Your records must be in a form suitable and readily available for expeditious review according to § 63.10(b)(1).
- (b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- (c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1).

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010]

V. REPORTING REQUIREMENTS.**# 008 [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 and operating limitations?**

- (a) [See Work Practice Requirements]
- (b) You must report each instance in which you did not meet each emission limitation or operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in § 63.6650.
- (c) - (d) [Do not apply]
- (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.
- (f) [See Restrictions Requirements]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013]

VI. WORK PRACTICE REQUIREMENTS.**# 009 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations must I meet if I own or operate an existing stationary RICE with a site rating of equal to or**

**SECTION D. Source Level Requirements****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.

[From Table 2c of Subpart ZZZZ]

For each Emergency stationary CI RICE you must meet the following requirement:

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first;
- b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
- 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.

[75 FR 9675, Mar. 3, 2010, as amended at 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6701, Jan. 30, 2013]

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my general requirements for complying with this subpart?**

(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[75 FR 9675, Mar. 3, 2010, as amended at 78 FR 6702, Jan. 30, 2013]

012 [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 and operating limitations?**

(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.

[From Table 6, Paragraph 6, of Subpart ZZZZ]

9. For each existing emergency stationary RICE less than or equal to 500 HP located at a major source of HAP you must demonstrate continuous compliance by:

- i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions;

**SECTION D. Source Level Requirements**

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.

(b) [See Reporting Requirements]

(c) - (d) [Do not apply]

(e) [See Reporting Requirements]

(f) [See Restrictions Requirerments]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013]

VII. ADDITIONAL REQUIREMENTS.**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6580]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What is the purpose of subpart ZZZZ?**

Subpart ZZZZ establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

[73 FR 3603, Jan. 18, 2008]

014 [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.

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

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

(c) An area source of HAP emissions is a source that is not a major source.

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

(e) If you are an owner or operator of a stationary RICE used for national security purposes, you may be eligible to request an exemption from the requirements of this subpart as described in 40 CFR part 1068, subpart C.

(f) The emergency stationary RICE listed in paragraphs (f)(1) through (3) of this section are not subject to this subpart. The

**SECTION D. Source Level Requirements**

stationary RICE must meet the definition of an emergency stationary RICE in § 63.6675, which includes operating according to the provisions specified in § 63.6640(f).

(1) Existing residential emergency stationary RICE located at an area source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii) and that do not operate for the purpose specified in § 63.6640(f)(4)(ii).

(2) Existing commercial emergency stationary RICE located at an area source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii) and that do not operate for the purpose specified in § 63.6640(f)(4)(ii).

(3) Existing institutional emergency stationary RICE located at an area source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii) and that do not operate for the purpose specified in § 63.6640(f)(4)(ii).

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

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What parts of my plant does this subpart cover?

This subpart applies to each affected source.

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) Existing stationary RICE.

(i) For stationary RICE with a site rating of more than 500 brake horsepower (HP) located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before December 19, 2002.

(ii) For stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

(iii) For stationary RICE located at an area source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

(iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.

(2) New stationary RICE.

(i) A stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions is new if you commenced construction of the stationary RICE on or after December 19, 2002.

(ii) A stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions is new if you commenced construction of the stationary RICE on or after June 12, 2006.

(iii) A stationary RICE located at an area source of HAP emissions is new if you commenced construction of the stationary RICE on or after June 12, 2006.

(3) Reconstructed stationary RICE.

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

**SECTION D. Source Level Requirements**

reconstructed if you meet the definition of reconstruction in § 63.2 and reconstruction is commenced on or after December 19, 2002.

(ii) A stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions is reconstructed if you meet the definition of reconstruction in § 63.2 and reconstruction is commenced on or after June 12, 2006.

(iii) A stationary RICE located at an area source of HAP emissions is reconstructed if you meet the definition of reconstruction in § 63.2 and reconstruction is commenced on or after June 12, 2006.

(b) Stationary RICE subject to limited requirements.

(1) An affected source which meets either of the criteria in paragraphs (b)(1)(i) through (ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of § 63.6645(f).

(i) The stationary RICE is a new or reconstructed emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that does not operate or is not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii).

(ii) The stationary RICE is a new or reconstructed limited use stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions.

(2) A new or reconstructed stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis must meet the initial notification requirements of § 63.6645(f) and the requirements of §§ 63.6625(c), 63.6650(g), and 63.6655(c). These stationary RICE do not have to meet the emission limitations and operating limitations of this subpart.

(3) The following stationary RICE do not have to meet the requirements of this subpart and of subpart A of this part, including initial notification requirements:

(i) Existing spark ignition 2 stroke lean burn (2SLB) stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;

(ii) Existing spark ignition 4 stroke lean burn (4SLB) stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;

(iii) Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that does not operate or is not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii).

(iv) Existing limited use stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;

(v) Existing stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis;

(c) Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

(1) A new or reconstructed stationary RICE located at an area source;

(2) A new or reconstructed 2SLB stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions;

**SECTION D. Source Level Requirements**

(3) A new or reconstructed 4SLB stationary RICE with a site rating of less than 250 brake HP located at a major source of HAP emissions;

(4) A new or reconstructed spark ignition 4 stroke rich burn (4SRB) stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions;

(5) A new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis;

(6) A new or reconstructed emergency or limited use stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions;

(7) A new or reconstructed compression ignition (CI) stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9674, Mar. 3, 2010; 75 FR 37733, June 30, 2010; 75 FR 51588, Aug. 20, 2010; 78 FR 6700, Jan. 30, 2013]

016 [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?

(a) Affected sources.

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

(2) If you start up your new or reconstructed stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions before August 16, 2004, you must comply with the applicable emission limitations and operating limitations in this subpart no later than August 16, 2004.

(3) If you start up your new or reconstructed stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions after August 16, 2004, you must comply with the applicable emission limitations and operating limitations in this subpart upon startup of your affected source.

(4) If you start up your 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 before January 18, 2008, you must comply with the applicable emission limitations and operating limitations in this subpart no later than January 18, 2008.

(5) If you start up your 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 after January 18, 2008, you must comply with the applicable emission limitations and operating limitations in this subpart upon startup of your affected source.

(6) If you start up your new or reconstructed stationary RICE located at an area source of HAP emissions before January 18, 2008, you must comply with the applicable emission limitations and operating limitations in this subpart no later than January 18, 2008.

**SECTION D. Source Level Requirements**

(7) If you start up your new or reconstructed stationary RICE located at an area source of HAP emissions after January 18, 2008, you must comply with the applicable emission limitations and operating limitations in this subpart upon startup of your affected source.

(b) Area sources that become major sources. If you have an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP, the compliance dates in paragraphs (b)(1) and (2) of this section apply to you.

(1) Any stationary RICE for which construction or reconstruction is commenced after the date when your area source becomes a major source of HAP must be in compliance with this subpart upon startup of your affected source.

(2) Any stationary RICE for which construction or reconstruction is commenced before your area source becomes a major source of HAP must be in compliance with the provisions of this subpart that are applicable to RICE located at major sources within 3 years after your area source becomes a major source of HAP.

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

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

017 [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?

[Please refer to 40 CFR 63, Subpart ZZZZ, for Table 8 - General Provisions.]

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6670]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Who implements and enforces this subpart?

(a) This subpart is implemented and enforced by the U.S. EPA, or a delegated authority such as your State, local, or tribal agency. If the U.S. EPA Administrator has delegated authority to your State, local, or tribal agency, then that agency (as well as the U.S. EPA) has the authority to implement and enforce this subpart. You should contact your U.S. EPA Regional Office to find out whether this subpart is delegated to your State, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under 40 CFR part 63, subpart E, the authorities contained in paragraph (c) of this section are retained by the Administrator of the U.S. EPA and are not transferred to the State, local, or tribal agency.

(c) The authorities that will not be delegated to State, local, or tribal agencies are:

- (1) Approval of alternatives to the non-opacity emission limitations and operating limitations in § 63.6600 under § 63.6(g).
- (2) Approval of major alternatives to test methods under § 63.7(e)(2)(ii) and (f) and as defined in § 63.90.
- (3) Approval of major alternatives to monitoring under § 63.8(f) and as defined in § 63.90.
- (4) Approval of major alternatives to recordkeeping and reporting under § 63.10(f) and as defined in § 63.90.
- (5) Approval of a performance test which was conducted prior to the effective date of the rule, as specified in § 63.6610(b).

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What definitions apply to this subpart?

[Please refer to 40 CFR 63, Subpart ZZZZ, for the applicable definitions.]



SECTION D. Source Level Requirements

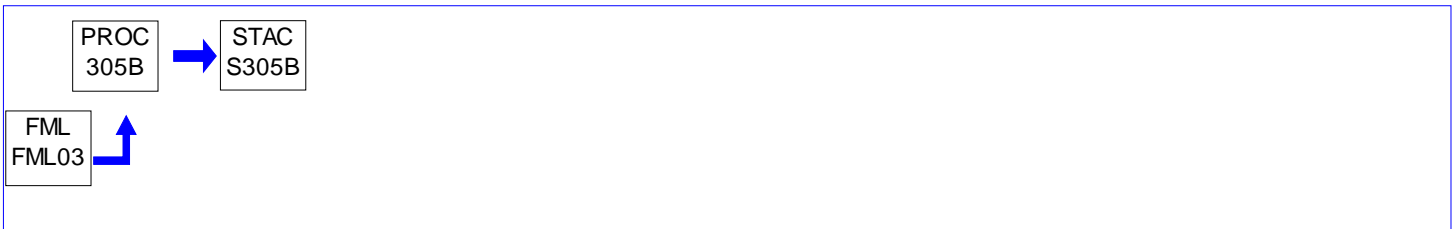
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 305B

Source Name: STANDBY GENERATOR (DIESEL) >500 HP

Source Capacity/Throughput: 50.000 Gal/HR #2 Oil

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Operation Hours Restriction(s).

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

Each of the diesel engines included in this source are limited to no more than 500 hours of operation during any consecutive 12-month rolling period.

[Authority for this restriction is derived from 25 Pa. Code 129.93(c).]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain a record of the hours of operation for each diesel engine included in this source.

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 005 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

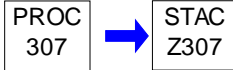
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 307

Source Name: PAVED & UNPAVED ROADS

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

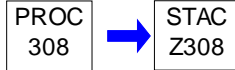
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 308

Source Name: HILLTOP SLUDGE BED/MIXED FILL PAD

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

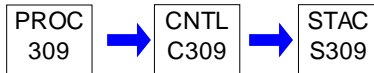
Source ID: 309

Source Name: (2) CHROMIUM REDUCTION TANKS

Source Capacity/Throughput:

N/A

PROCESS WATER

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain at a convenient location a magnehelic gauge or equivalent to indicate pressure drop across the control device and a water flow meter to indicate flow rate to the control device.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record, weekly, the pressure drop across the control device and the water flow rate to the control device.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall perform a monthly preventative maintenance inspection of the control device.

005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

VII. ADDITIONAL REQUIREMENTS.

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

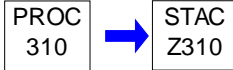
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 310

Source Name: 5000 GALLON U/G GASOLINE STORAGE TANK

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 001 [25 Pa. Code §129.61]****Small gasoline storage tank control (Stage 1 control)**

(a) This section applies Statewide to stationary gasoline storage tanks with a capacity of greater than 2,000 gallons.

(b) A person may not transfer gasoline from a delivery vessel into a stationary gasoline storage tank unless the displaced vapors from the storage tank are transferred to the dispensing delivery tank through a vapor right return line and unless the receiving tank is equipped with a submerged fill pipe which extends from the filling orifice to within 6 inches of the bottom of the tank. The vapors collected in the dispensing tank shall be disposed of in accordance with § 129.59 or § 129.60(c) (relating to bulk gasoline terminals; and bulk gasoline plants).

(c) The dispensing delivery tank shall remain vapor tight at all times. The delivery tank may be opened after the vapors are disposed of in accordance with § 129.59 or § 129.60(c).

002 [25 Pa. Code §129.62]**General standards for bulk gasoline terminals/plants, and small gasoline storage tanks**

(a) Gasoline may not be spilled or discarded in sewers or stored in open containers or handled in a manner that would result in uncontrolled evaporation to the atmosphere.

(b) An owner or operator of a bulk gasoline plant, bulk gasoline terminal, tank truck or trailer or stationary storage tank to which 129.59, 129.60(b) or (c) or 129.61 (relating to bulk gasoline terminals; bulk gasoline plants; and small gasoline storage tank control (Stage 1 control)) apply may not permit the transfer of gasoline between the tank truck or trailer and a stationary storage tank unless the following conditions are met:

**SECTION D. Source Level Requirements**

(1) The vapor balance system is in good working order and is designed and operated in a manner that prevents:

- (i) Gauge pressure from exceeding 18 inches of HF₂O (4500 pascals) and vacuum from exceeding 6 inches of water (1500 pascals) in the gasoline tank truck.
- (ii) A reading equal to or greater than 100% of the lower explosive limit--LEL, measured as propane--at 1 inch from points on the perimeter of a potential leak source when measured by the method referenced in 139.14 (relating to emissions of volatile organic compounds) during loading or unloading operations at small gasoline storage tanks, bulk plants and bulk terminals.
- (iii) Avoidable liquid leaks during loading or unloading operations at small gasoline storage tanks, bulk plants and bulk terminals.

(2) A truck, vapor balance system or vapor disposal system, if applicable, that exceeds the limits in paragraph (1) is repaired and retested within 15 days.

(3) There are no visually- or audibly-detectable leaks in the tank truck's or trailer's pressure/vacuum relief valves and hatch covers, the truck tanks or storage tanks, or associated vapor and liquid lines during loading or unloading.

(4) The pressure and vacuum relief valves on storage vessels and tank trucks or trailers are set to release at no less than .7 psig (4.8 kilopascals) of pressure or .3 psig (2.1 kilopascals) of vacuum or the highest allowable pressure and vacuum as specified in State or local fire codes, the National Fire Prevention Association guidelines or other National consensus standards acceptable to the Department. Upon demonstration by the owner or operator of an underground small gasoline storage tank that the vapor balance system specified in paragraph (1) will achieve a 90% vapor recovery efficiency without a pressure and vacuum relief valve and that an interlock system, sufficient to ensure connection of the vapor recovery line prior to delivery of the gasoline, will be used--no pressure and vacuum relief valve is required. The vacuum setting on the pressure and vacuum relief valve on an underground storage tank may be set at the lowest vacuum setting which is sufficient to keep the vent closed at zero pressure and vacuum.

(c) A person may not allow a gasoline tank truck subject to 129.59, 129.60 or 129.61 to be filled or emptied in a geographic area specified in 129.61(a) unless the gasoline tank truck:

- (1) Has been tested by the owner or operator within the immediately preceding 12 months in accordance with 139.14.
- (2) Sustains a pressure change of no more than 750 pascals (3 inches of H₂O) in 5 minutes when pressurized to a gauge pressure of 18 inches of H₂O (4,500 pascals) or evacuated to a gauge pressure of 6 inches of H₂O (1,500 pascals) during the testing required in paragraph (1).
- (3) Is repaired by the owner or operator and retested within 15 days of testing if it does not meet the criteria in paragraph (2).
- (4) Displays a clear marking near the Department of Transportation Certification plate required by 49 CFR 178.340-10b (relating to certification), which shows the most recent date upon which the gasoline tank truck passed the test required in this subsection.

(d) Reporting and recordkeeping shall be as follows:

(1) The owner or operator of a source of VOCs subject to subsection (c) shall maintain records of certification testing and repairs. The records shall identify the gasoline tank truck, vapor collection system or vapor control system; the date of the test or repair; and, if applicable, the type of repair and the date of retest. The records shall be maintained in a legible, readily-available condition for 1 year after the date the testing or repair was completed.

(2) The records of certification tests required by paragraph (1) shall contain:

- (i) The gasoline tank truck tank serial number.

SECTION D. Source Level Requirements

(ii) The initial test pressure and the time of the reading.

(iii) The final test pressure and the time of the reading.

(iv) The initial test vacuum and the time of the reading.

(v) The final test vacuum and the time of the reading.

(vi) At the top of each report page, the company name and the date and location of the tests on that page.

(vii) The name and title of the person conducting the test.

(3) Copies of records and reports under this subsection shall be made available to the Department upon verbal or written request at any reasonable time. A copy of the test results for each gasoline tank shall be kept with the truck.

(e) Gasoline tank trucks with a rated capacity of less than 4,800 gallons are exempt from subsections (c) and (d).

VII. ADDITIONAL REQUIREMENTS.

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

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



SECTION D. Source Level Requirements

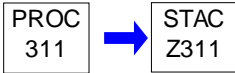
Source ID: 311

Source Name: SCRAP CUTTING OPERATIONS

Source Capacity/Throughput:

99.000 MCF/HR

Natural Gas



I. RESTRICTIONS.

Operation Hours Restriction(s).

001 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

Scrap cutting may be conducted with the following conditions and restrictions:

-Maximum Monthly Production Hours by Method-

.....Cutting Method.....Material.....Maximum Monthly Production Hours

Oxygen Lancing w/ CO2	Tundish Skull, Pit Scrap, Coils Misc. Scrap	40
Plasma Cut	EBA Covers, Rider Plates, Cobble, Misc. Scrap	100
Torch	Slabs, Coils, Misc. Scrap	600

[From RFD approval letter dated January 24, 2005.]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain a record of daily operations that include: the types of material cut, the type of cutting performed and the production hours for each type of cutting. Total production hours for each type of cutting shall be compiled for each month. Records shall be maintained for a period of five years and made available to the Department upon request.

[From RFD approval letter dated January 24, 2005.]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

a) [See Restrictions]

SECTION D. Source Level Requirements

- b) [See Recordkeeping Requirements]
- c) If fugitive emissions exceed acceptable levels for each type of cutting, as demonstrated by pilot testing, scrap cutting operations shall be modified immediately or suspended.
- d) If fugitive emissions exceed acceptable levels, the Department may require additional control devices and/or operation procedures.
- e) The scrap cutting operations shall comply with 25 Pa Code §§123.1, 123.31, and 123.41 for fugitive, odor, and visible emissions, respectively.

[From RFD approval letter dated January 24, 2005.]

VII. ADDITIONAL REQUIREMENTS.

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

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

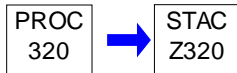
SECTION D. Source Level Requirements

Source ID: 320

Source Name: WEST END HOPPER HOUSE TRUCK DUMP STATION

Source Capacity/Throughput:

N/A

**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 §127.511]****Monitoring and related recordkeeping and reporting requirements.**

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

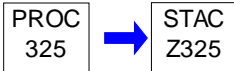
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 325

Source Name: EXISTING COOLING TOWERS (11)

Source Capacity/Throughput: ***** Gal/HR COOLING WATER

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

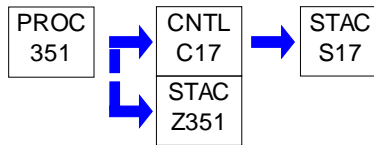
Source ID: 351

Source Name: STEEL LADLE SLAG SKIMMING STATION

Source Capacity/Throughput:

N/A

SLAG

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

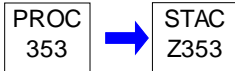
SECTION D. Source Level Requirements

Source ID: 353

Source Name: ALLOY HANDLING BINS

Source Capacity/Throughput:

N/A

**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 §127.511]****Monitoring and related recordkeeping and reporting requirements.**

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

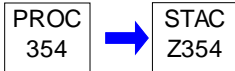
SECTION D. Source Level Requirements

Source ID: 354

Source Name: SLAG HANDLING

Source Capacity/Throughput:

N/A

**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 §127.511]****Monitoring and related recordkeeping and reporting requirements.**

This source shall be operated and maintained according to the available manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

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



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description		
034	BOILER 10 (MP)		
Emission Limit			Pollutant
0.350	Lbs/MMBTU		PM10
4.000	Lbs/MMBTU	over any 1-hour period	SOX
037A	BOILER 21 (HTP)		
Emission Limit			Pollutant
400.000	PPMV		CO
30.000	PPMV	gas fuel	NOX
90.000	PPMV	#2 fuel oil	NOX
039	MAIN PLANT BOILER #22		
Emission Limit			Pollutant
0.096	Lbs/MMBTU		CO
130.000	PPMV		CO
0.036	Lbs/MMBTU		NOX
30.000	PPMV		NOX
5.700	Lbs/MMBTU		TSP
0.005	Lbs/MMBTU		VOC
14.000	PPMV		VOC
052	SPACE HEATERS < 2.5 MMBTU		
Emission Limit			Pollutant
4.000	Lbs/MMBTU		SOX
053	2.5 MMBTU/HR < SPACEHEATERS < 10 MMBTU/HR		
Emission Limit			Pollutant
0.400	Lbs/MMBTU		PM10
4.000	Lbs/MMBTU	over any 1-hour period	SOX
130A	PREHEAT FURNACE #6		
Emission Limit			Pollutant
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SOX
102	ELECTRIC ARC FURNACE 2		
Emission Limit			Pollutant
164.000	Lbs/Hr	based on a 30-day rolling average	CO
718.300	Tons/Yr	based on a consecutive 12-month period	CO
75.000	Lbs/Hr	inlet to #3 baghouse	NOX
0.004	gr/DRY FT3		PM10
29.900	Lbs/Hr		PM10
130.800	Tons/Yr	based on a consecutive 12-month period	PM10
500.000	PPMV	dry basis	SOX

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description	Emission Limit	Pollutant
105	SHOT BLAST 4	0.040 gr/DRY FT3	PM10
106E	SHOT BLAST 12 EAST	0.040 gr/DRY FT3	PM10
106W	SHOT BLAST 12 WEST	0.040 gr/DRY FT3	PM10
109	#2 TANDEM COLD MILL	0.040 gr/DRY FT3	PM10
110	#3 TANDEM COLD MILL	0.040 gr/DRY FT3	PM10
111	SLAB HEATING FURNACE 5	0.040 gr/DRY FT3	PM10
		500.000 PPMV dry basis	SOX
112	SLAB HEATING FURNACE 6	0.040 gr/DRY FT3	PM10
		500.000 PPMV dry basis	SOX
113	SLAB HEATING FURNACE 7	0.040 gr/DRY FT3	PM10
		500.000 PPMV dry basis	SOX
114	#11 CENTRO SLAB GRINDER	0.040 gr/DRY FT3	TSP
115	#12 CENTRO SLAB GRINDER	0.040 gr/DRY FT3	TSP

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description	Emission Limit	Pollutant
118	#4 PICKLE LINE	0.040 gr/DRY FT3	PM10
119	#7 PICKLE LINE	0.040 gr/DRY FT3	TSP
120	#12 PICKLE LINE	0.040 gr/DRY FT3	PM10
122	#23 PICKLE LINE	1.000 Lbs/Tons of steel	NOX
		0.040 gr/DRY FT3	TSP
123E	SHOTBLAST 23 EAST	0.040 gr/DRY FT3	TSP
123W	SHOTBLAST 23 WEST	0.040 gr/DRY FT3	TSP
125	#20 CARLITE ACID CLEAN	0.040 gr/DRY FT3	PM10
127	#26 CARLITE ACID CLEAN	0.040 gr/DRY FT3	PM10
128	DECARB FURNACE 1	0.040 gr/DRY FT3	PM10
		500.000 PPMV dry basis	SOX
129	SILICON DRYING FURNACE 1	0.040 gr/DRY FT3	PM10
		500.000 PPMV dry basis	SOX

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description	Emission Limit	Pollutant
130	DECARB FURNACE 6	0.040 gr/DRY FT3	PM10
		500.000 PPMV dry basis	SOX
131	SILICON DRYING FURNACE 6	0.040 gr/DRY FT3	PM10
		500.000 PPMV dry basis	SOX
132	PREHEAT FURNACE 11	0.040 gr/DRY FT3	PM10
		500.000 PPMV dry basis	SOX
133	SILICON DRYING FURNACE 11	0.040 gr/DRY FT3	PM10
		500.000 PPMV dry basis	SOX
134	PREHEAT FURNACE 19	0.040 gr/DRY FT3	PM10
		500.000 PPMV dry basis	SOX
135	SILICON DRYING FURNACE 19	0.040 gr/DRY FT3	PM10
		500.000 PPMV dry basis	SOX
136	AOD REACTOR	0.040 gr/DRY FT3	PM10
		500.000 PPMV dry basis	SOX
136A	AOD PREHEATER	0.040 gr/DRY FT3	PM10
		500.000 PPMV dry basis	SOX
137	SLAB HEATING FURNACE 8	0.040 gr/DRY FT3	PM10
		500.000 PPMV dry basis	SOX

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description		
140	#2 CONTINUOUS CASTER		
Emission Limit		Pollutant	
164.000	Lbs/Hr	based on a 30-day rolling average	CO
718.300	Tons/Yr	based on a consecutive 12-month period	CO
75.000	Lbs/Hr	inlet to #3 baghouse	NOX
0.004	gr/DRY FT3		PM10
29.900	Lbs/Hr		PM10
130.800	Tons/Yr	based on a consecutive 12-month period	PM10
500.000	PPMV	dry basis	SOX
141	#3 CONTINUOUS CASTER		
Emission Limit		Pollutant	
164.000	Lbs/Hr	based on a 30-day rolling average	CO
718.300	Tons/Yr	based on a consecutive 12-month period	CO
75.000	Lbs/Hr	inlet to #3 baghouse	NOX
0.004	gr/DRY FT3		PM10
29.900	Lbs/Hr		PM10
130.800	Tons/Yr	based on a consecutive 12-month period	PM10
500.000	PPMV	dry basis	SOX
148	CRNO LINE ANNEAL FURNACE		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SOX
149	ARGON STIRRING STATION (EAST)		
Emission Limit		Pollutant	
164.000	Lbs/Hr	based on a 30-day rolling average	CO
718.300	Tons/Yr	based on a consecutive 12-month period	CO
75.000	Lbs/Hr	inlet to #3 baghouse	NOX
0.004	gr/DRY FT3		PM10
29.900	Lbs/Hr		PM10
130.800	Tons/Yr	based on a consecutive 12-month period	PM10
156	ANNEAL FURNACE 4		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SOX
157	ANNEAL FURNACE 7		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SOX

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description			
158	ANNEAL FURNACE 12			
Emission Limit				Pollutant
0.040	gr/DRY FT3			PM10
500.000	PPMV	dry basis		SOX
160A	MGO DRYING FURNACE			
Emission Limit				Pollutant
500.000	PPMV			SOX
0.040	gr/DRY FT3			TSP
161	CARLITE LINE DRY FURNACE 20			
Emission Limit				Pollutant
0.040	gr/DRY FT3			PM10
500.000	PPMV	dry basis		SOX
162	CARLITE LINE DRY FURNACE 26			
Emission Limit				Pollutant
0.040	gr/DRY FT3			PM10
500.000	PPMV	dry basis		SOX
247	LADLE PREHEATER/DRYER #1			
Emission Limit				Pollutant
75.000	Lbs/Hr	inlet to #3 baghouse		NOX
0.040	gr/DRY FT3			PM10
500.000	PPMV	dry basis		SOX
248	LADLE PREHEATER/DRYER # 2			
Emission Limit				Pollutant
75.000	Lbs/Hr	inlet to #3 baghouse		NOX
0.040	gr/DRY FT3			PM10
500.000	PPMV	dry basis		SOX
249	LADLE PREHEATER/DRYER # 3			
Emission Limit				Pollutant
75.000	Lbs/Hr	inlet to #3 baghouse		NOX
0.040	gr/DRY FT3			PM10
500.000	PPMV	dry basis		SOX
250	LADLE PREHEATER/DRYER # 4			
Emission Limit				Pollutant
75.000	Lbs/Hr	inlet to #3 baghouse		NOX
0.040	gr/DRY FT3			PM10
500.000	PPMV	dry basis		SOX

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description		
251	LADLE PREHEATER/DRYER # 5		
Emission Limit		Pollutant	
75.000	Lbs/Hr	inlet to #3 baghouse	NOX
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SOX
252	LADLE PREHEATER/DRYER # 6		
Emission Limit		Pollutant	
75.000	Lbs/Hr	inlet to #3 baghouse	NOX
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SOX
255	LADLE PREHEATER/DRYER #8		
Emission Limit		Pollutant	
75.000	Lbs/Hr	inlet to #3 baghouse	NOX
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SOX
302	#7 LADLE DRYING STATION		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SOX
303	MISC. PROCESS HEATERS		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SOX
304	STANDBY GENERATORS (NATURAL GAS/PROPANE)		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SOX
305	STANDBY GENERATORS/PUMPS (DIESEL) <500 HP		
Emission Limit		Pollutant	
500.000	PPMV		SOX
0.040	gr/DRY FT3		TSP
305B	STANDBY GENERATOR (DIESEL) >500 HP		
Emission Limit		Pollutant	
500.000	PPMV		SOX
0.040	gr/DRY FT3		TSP

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description				
309	(2) CHROMIUM REDUCTION TANKS				
<table border="1"> <thead> <tr> <th>Emission Limit</th> <th>Pollutant</th> </tr> </thead> <tbody> <tr> <td>0.040 gr/DRY FT3</td> <td>TSP</td> </tr> </tbody> </table>		Emission Limit	Pollutant	0.040 gr/DRY FT3	TSP
Emission Limit	Pollutant				
0.040 gr/DRY FT3	TSP				
325	EXISTING COOLING TOWERS (11)				
<table border="1"> <thead> <tr> <th>Emission Limit</th> <th>Pollutant</th> </tr> </thead> <tbody> <tr> <td>0.040 gr/DRY FT3</td> <td>TSP</td> </tr> </tbody> </table>		Emission Limit	Pollutant	0.040 gr/DRY FT3	TSP
Emission Limit	Pollutant				
0.040 gr/DRY FT3	TSP				
351	STEEL LADLE SLAG SKIMMING STATION				
<table border="1"> <thead> <tr> <th>Emission Limit</th> <th>Pollutant</th> </tr> </thead> <tbody> <tr> <td>0.040 gr/DRY FT3</td> <td>TSP</td> </tr> </tbody> </table>		Emission Limit	Pollutant	0.040 gr/DRY FT3	TSP
Emission Limit	Pollutant				
0.040 gr/DRY FT3	TSP				

Site Emission Restriction Summary

Emission Limit	Pollutant
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**SECTION G. Miscellaneous.**

SECTION G. Miscellaneous.

a) The Capacity/Hour numbers listed on Pages 4-7 and provided in Section D of this permit for individual sources are for informational purposes only and are not to be considered enforceable limits. Enforceable emission limits are listed in the Restriction section for each source. They are also summarized for informational purposes only in Section G.

b) For the purpose of this permit:

Source ID: 305 - Standby Generators(Diesel) consists of the following:

1. Sawmill Run Pump House (472 horsepower diesel pump)
2. Hilltop Mill Water Supply (120 horsepower diesel pump)
3. #17 Cooling Tower (310 horsepower diesel pump)
4. Wastewater Treatment Plant (830 horsepower diesel generator)

Source ID: 304 - Standby Generators (Natural Gas/Propane) consists of approximately 28 units at various locations plant-wide, each rated at 100 HP or less.

c) The following emission factors were developed during the initial performance test for Source 118 (#4 Pickle Line):

1. PM: 0.22 lbs/hr 0.02 lbs/ton
2. NOx: 0.2 lbs/hr 0.02 lbs/ton
3. HF: 0.16 lbs/hr 0.01 lbs/ton
4. H2SO4: 0.28 lbs/hr 0.02 lbs/ton

d) The following emission factors were developed during the initial performance test for Source 120 (#12 Pickle Line):

1. PM: 0.083 lbs/hr 0.00150 lbs/ton
2. NOx: 0.073 lbs/hr 0.00132 lbs/ton
3. HF: 0.049 lbs/hr 0.00089 lbs/ton
4. HCl: 0.130 lbs/hr 0.00235 lbs/ton

e) [Blank]

f) The following sources have minor emissions and no applicable emission, testing, monitoring, recordkeeping or reporting requirements:

1. [Blank]
2. [Blank]
3. [Blank]
4. Process Welding on Anneal & Pickle lines
5. Above Ground Storage Tanks
 - a) Waste Oil (Hot Mill Clarifier) (29,000 gallons)
 - b) Hydrofluoric acid (North Processing) (2 @ 11,700 gallons)
 - c) Hydrochloric acid (North Processing) (2 @ 18,700 gallons)
 - d) Diesel Fuel (Tank Farm) (360,000 gallons)
 - g) Diesel Fuel (Sawmill Reservoir) (1,000 gallons)
 - h) Gasoline (Hilltop Processing) (500 gallons)
 - i) Hydraulic oil (Waste oil area) (10,000 gallons)
 - j) Hydraulic oil (Truck shop) (5,800 gallons)
 - k) Loco Lube oil (Locomotive shop) (2,500 gallons)
 - l) Motor Oil (Truck Shop) (4800 gallons)
 - m) Coating Oil (North Processing) (18,700 gallons)
 - n) [Blank]
 - o) [Blank]
 - p) [Blank]
 - q) Waste oil (Waste oil area) (2 @ 4,800 gallons)
 - r) Waste rolling oil (#3 Tandem Mill @ CM) (10,000 gallons)
 - s) Waste oil (Truck shop) (580 gallons)

**SECTION G. Miscellaneous.**

- t) Waste oil (New MPAN) (5,000 gallons)
 - u) Sulfuric acid (North Processing) (2 @ 18,700 gallons)
 - v) Nitric acid (North Processing) (2 @ 18,700 gallons)
 - x) [Blank]
 - y) [Blank]
 - aa) Carlite (Hilltop Processing) (6,000 gallons)
 - dd) Caustic soda (Melt Shop Fume Controller) (20,000 gallons)
 - ee) Caustic soda (Melt Shop Clarifier) (20,000 gallons)
 - gg) Trt. Chemicals (#17 Cooling Tower) (565 gallons)
 - ii) Sulfuric acid (New MPAN) (5,200 gallons)
 - jj) Sodium Hydroxide (New MPAN) (10,700 gallons)
 - kk) Petroleum Oil / Paraffin Oil (2 @ 1,500 gallons)
 - ll) Polymer (New MPAN) (1,500 gallons)
 - mm) Koliqid (Stain. Processing) (9,000 gallons)
 - nn) Small Aboveground Storage Tanks (approx. 25)
 - oo) Hot Strip Mill Basement Oil Storage
 - pp) [Blank]
 - qq) Kerosene Storage Tank (500 gallons)
 - rr) Motor Oil, Locomotive Shop (1000 gallons)
 - ss) Five (5) Indoor open top Carlite Mix Tanks - #20 and #26 Carlite (15.19 pounds per year of CrO3 emissions for all 5 tanks combined)
 - 6. Wastewater Treatment (North Processing)
 - 7. [Blank]
 - 8. Box Annealing (electric with Hydrogen atmosphere flare) (Silicon & Hilltop Processing)
 - 9. Vacuum Car Annealing (electric with Hydrogen atmosphere flare) (Hilltop Processing)
 - 10. Stoddard Solvent Waste Tank (Stainless Processing)
 - 11. Lime Silos (4) (Wastewater Treatment Plants)
 - 12.
 - 13.
 - 14. Diesel Underground Storage Tanks (2) (5,000 and 10,000 gallons)
 - 15.
 - 16. Scrap handling
 - 17.
 - 18. Storage Piles:
 - a) Processed and unprocessed Slag
 - b) Coke Breeze
 - c) Mill Scale
 - 19. [Blank]
 - 20. Electrostatic Oil Sprays on Anneal & Pickle lines
 - 21. EAF Dust Handling (#1-2 Baghouse & #3 Baghouse)
 - 22. Ferric Sulfate Storage Silo with baghouse (Hot Strip Mill Water Treatment)
 - 23. Hot Strip Mill
 - 24. Magnesia Scrubbers (2) (Silicon and Hilltop Processing)
 - 25. [Blank]
 - 26. Wastewater Treatment Plant (Hilltop Processing)
 - 27. Tundish Dumping
 - 28. Hydrochloric Acid/Nitric Acid Dip Tank (In Sulfur Print Lab)
 - 29. Wastewater Treatment (Main Plant Clarifier)
 - 30. Wastewater Treatment (Melt Shop Clarifier)
 - 31. Wastewater Treatment (Hot Mill Clarifier)
 - 32. Carbon/Silica System Storage Silo & Passive Filter
- g) This Operating Permit No. 10-00001 was originally issued on January 22, 1999, effective on January 31, 1999, and expires on January 31, 2004.

Revision No. 1, issued on October 20, 1999, was due to an appeal stipulation entered into between the Department and Armco. This revision reduced the monitoring frequency of the pressure drop and water flow rate of the scrubbers controlling the pickling lines (Sources #116, 118, 119, 120, 122, and 124).

Revision No. 2, issued on May 10, 2000, was an administrative amendment for incorporating plan approval (10-307-040A)

**SECTION G. Miscellaneous.**

conditions for revising the opacity limitation (AOL) for Source 110.

Revision No. 3, issued on August 1, 2002, was an administrative amendment for incorporating plan approvals (10-307-050A, 10-001B, and 10-001C) conditions. Plan approval: 10-001B was for #2 EAF, and 10-001C was for #12 Pickle line.

Revision No. 4, issued on November 7, 2002, was an administrative amendment for incorporating plan approval (10-001F) conditions. Plan approval 10-001F was for #4 Anneal & Pickle line.

h) On September 22, 2004, the Department approved emission reduction credits (ERCs) as described below.

-The ERC approval is subject to the special conditions listed below.

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

-Notify the person below when the ERCs are transferred so that the proper ERC registry changes can be made.

Special Conditions:

1. The following sources have been converted to non-nitric acid operation. If the company plans to use nitric acid in the pickling operations in the future, the company shall submit the appropriate plan approval applications.

Source~Current Status~Conversion Outage Date~Deactivation Date~NOx TPY

Main Plant

#4 AP Pickle~Converted to non-nitric operations~1/30/2002~N/A~23.38

#12 AP Pickle~Converted to non-nitric operations~10/15/2001~N/A~66.97

#23 SBP Pickle~Pickle Section, Operating w/o nitric acid~~ 1/30/2002(Last date with nitric Acid)~24.82

Total = 192.82

2. The company has generated and created a total of 192.82 tons of NOx ERCs from the conversion nitric acid pickling to non-nitric acid pickling operations of the sources listed in condition #1.

3. Pursuant to the provisions of 25 Pa. Code Section 127.206(f), the ERCs generated and created in this approval shall not expire for use as offsets.

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

5. The ERCs generated and created by the shutdown or conversion of the pickling lines may be used for internal offsetting or sold after the ERCs have been entered into the Pennsylvania ERC Registry System.

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

7. Any notification as a result of any condition herein should be directed to:

John Guth
Air Quality Program Manager
Department of Environmental Protection
230 Chestnut Street
Meadville, PA 16335

i) This Operating Permit was administratively amended on February 13, 2006, to document a change of the Responsible Official.



***** End of Report *****

