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**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
034	BOILER 10 (MP)	42.000 MMBTU/HR	
		42.000 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 MMBTU/HR	
		60.000 MCF/HR	Natural Gas
040	BACKUP BOILER (HTP)	9.970 MCF/HR	Natural Gas
052	SPACE HEATERS < 2.5 MMBTU	2.500 MCF/HR	Natural Gas
053	2.5 MMBTU/HR < SPACEHEATERS < 10 MMBTU/HR	20.000 MCF/HR	Natural Gas
130A	PREHEAT FURNACE #6	9.000 MCF/HR	Natural Gas
318	EMERGENCY DIESEL PUMP (340 HP)	18.000 Gal/HR	#2 Oil
101	ELECTRIC ARC FURNACE 5	300.000 Tons/HR	STEEL
102	ELECTRIC ARC FURNACE 2	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
107	LADLE METALURGICAL FACILITY (LMF)	300.000 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	6.650 MCF/HR	Natural Gas
133	SILICON DRYING FURNACE 11	6.300 MCF/HR	Natural Gas

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput		Fuel/Material
134	PREHEAT FURNACE 19	9.000	MCF/HR	Natural Gas
135	SILICON DRYING FURNACE 19	13.000	MCF/HR	Natural Gas
136	AOD REACTOR	300.000	Tons/HR	LIQUID STEEL
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	300.000	Tons/HR	CAST STEEL
		8.000	MCF/HR	Natural Gas
141	#3 CONTINUOUS CASTER	300.000	Tons/HR	CAST STEEL
		8.000	MCF/HR	Natural Gas
148	CRNO LINE ANNEAL FURNACE	31.000	MCF/HR	Natural Gas
		31.000	Tons/HR	STEEL
149	ALLOY ADDITION & STIRRING STATION	300.000	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	STEEL
161	CARLITE LINE DRY FURNACE 20	9.000	MCF/HR	Natural Gas
		15.000	Tons/HR	STEEL
162	CARLITE LINE DRY FURNACE 26	26.800	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
254	LADLE PREHEATER/DRYER # 9	16.400	MCF/HR	Natural Gas
255	LADLE PREHEATER/DRYER #8	8.000	MCF/HR	Natural Gas
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			

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
308	HILLTOP SLUDGE BED/MIXED FILL PAD		
309	(2) CHROMIUM REDUCTION TANKS		
311	SCRAP CUTTING OPERATIONS		
312	EMF ALLOY TRUCK DUMP		
313	LMF ALLOY TRUCK DUMP		
317	NO. 22 COOLING TOWER	2,340,000.000 Gal/HR	WATER
320	WEST END HOPPER HOUSE TRUCK DUMP STATION		
321	EMF RAW MATERIAL SILOS (3)		
322	EMF CARBON SILOS (2)		
323A	EMF LIME SILO		
323B	EMF LIME SILO		
324	LMF RAW MATERIAL SILOS (2)		
325	EXISTING COOLING TOWERS (11)	3,732,000.000 Gal/HR	WATER
351	STEEL LADLE SLAG SKIMMING STATION	N/A	SLAG
353	ALLOY BIN HANDLING ACTIVITIES		
354	SLAG HANDLING		
355	SLAG POT PREHEATER	6.000 MCF/HR	Natural Gas
C01B	#3 BAGHOUSE		
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 - CHROMIUM REDUCTION TANKS		
C312	EMF ALLOY TRUCK DUMP DUST COLLECTOR		
C313	LMF ALLOY TRUCK DUMP STATION DUST COLLECTOR		
C320	WEST END HOPPER HOUSE DUST COLLECTOR		

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
C321	DENSEFLOW COMPACT BIN VENT		
C322	DENSE FLOW COMPACT BIN VENT		
C323A	DENSE FLOW COMPACT BIN VENT		
C323B	DENSE FLOW COMPACT BIN VENT		
C324	DENSE FLOW COMPACT BIN VENT		
FML01	NATURAL GAS LINE		
FML03	DIESEL FUEL		
FML04	PROPANE		
S01	#3 BAGHOUSE STACK		
S037A	BOILER 21 STACK		
S040	BACKUP BOILER (HTP) STACK		
S052	SPACE HEATERS < 2.5 MMBTU STACKS		
S07	BOILER 10 STACK		
S10	#19 PREHEAT FURNACE STACK		
S109A	#2 TAN MILL MST ELM STACK "A"		
S109B	#2 TAN MILL MIST ELM STACK "B"		
S11	#1 DECARB LINE STACK		
S110	#3 TAN MILL MST ELM STACK		
S111	SLAB REHEAT FURN 5 STACK		
S112	SLAB REHEAT FURN 6 STACK		
S113	SLAB REHEAT FURN 7 STACK		
S118	#4 A&P LN SCRUBBER STACK		
S119	#7 A&P LN SCRUBBER STACK		
S12	#1 SIL DRY FURN STACK		
S120	#12 A&P LN SCRUBBER STACK		
S122	#23 PIC LN SCRUBBER STACK		
S123E	SHOT BLAST 22E STACK		
S123W	SHOT BLAST 23W STACK		
S127	#26 CARLITE AC SCRUBBER 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		
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		

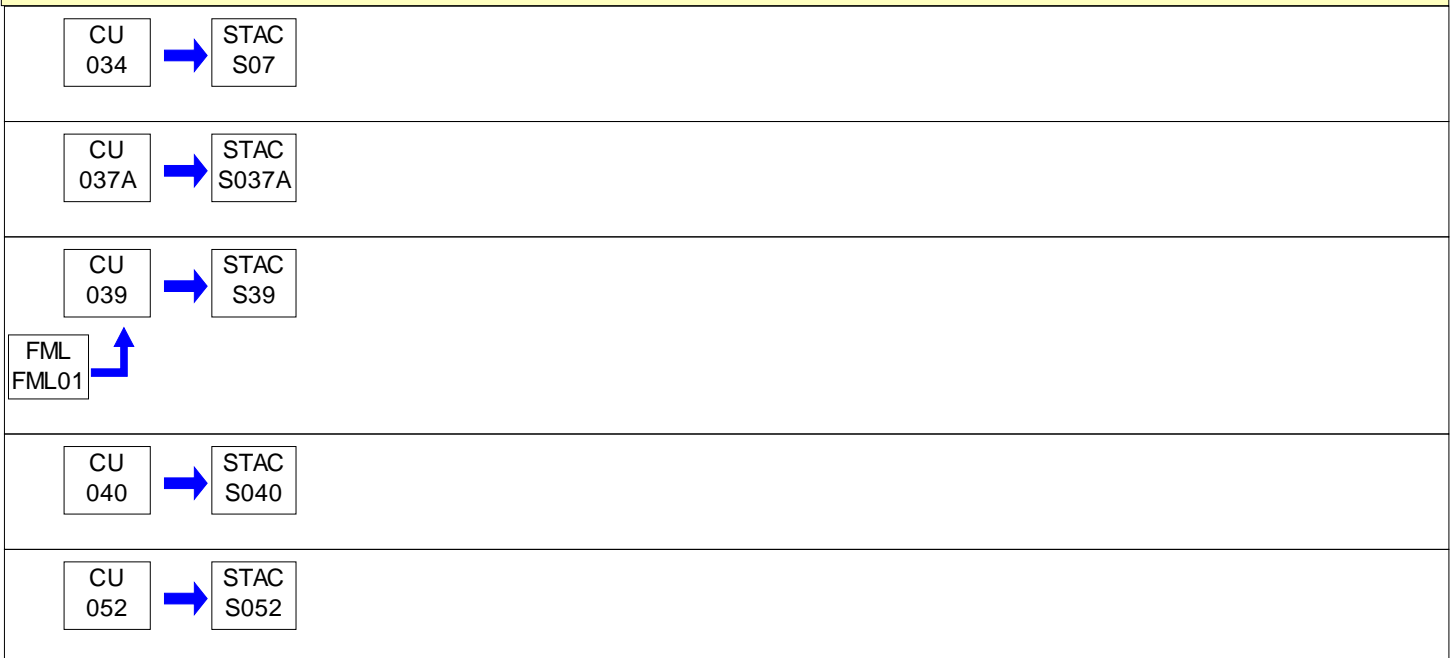
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S25	SHOT BLAST 4 STACK		
S26E	SHOT BLAST 12E STACK		
S26W	SHOT BLAST 12W STACK		
S303	MISC. PROCESS HEATERS STACKS		
S304	STANDBY GENERATORS (NATURAL GAS/PROPANE) STACKS		
S305	STANDBY GENERATORS/PUMPS (DIESEL) < 500 HP STACKS		
S305B	STANDBY GENERATOR (DIESEL) > 500 HP STACK		
S309	(2) CHROMIUM REDUCTION TANKS STACKS		
S312	EMF ALLOY TRUCK DUMP STACK		
S313	LMF ALLOY TRUCK DUMP STATION STACK		
S320	WEST END HOPPER HOUSE STACK		
S321	BIN VENT STACK		
S322	COMPACT BIN VENT STACK		
S323A	COMPACT BIN VENT STACK		
S323B	COMPACT BIN VENT STACK		
S324	COMPACT BIN VENT STACK		
S355	SLAG POT PREHEATER STACK		
S37	SLAB REHEAT FURN 8 STACK		
S39	MAIN PLANT BOILER #22 STACK		
S43	#20 CAR AC SCRUBBER STACK		
Z03	#4 ANNEAL FURNACE		
Z101	EMF #5 FUGITIVE EMISSIONS		
Z102	EMF #2 FUGITIVE EMISSIONS		
Z107	LMF FUGITIVE EMISSIONS		
Z130A	FUGITIVE EMISSIONS - PREHEAT FURNACE #6		
Z136	AOD REACTOR-FUGITIVE EMISSIONS		
Z136A	FUGITIVE EMISSIONS - AOD PREHEATER		
Z14	#11/12 CENTRO SLAB GRIND		
Z140	FUGITIVE EMISSIONS - #2 CONTINUOUS CASTER		
Z141	FUGITIVE EMISSIONS - #3 CONTINUOUS CASTER		
Z149	FUGITIVE EMISSIONS - ALLOY ADDITION & STIRRING STATION		
Z17	FUGITIVE EMISSIONS - #26 CARLITE ACID CLEAN		
Z247	FUGITIVE EMISSIONS - LADLE PREHEATER/DRYER #1		
Z248	FUGITIVE EMISSIONS - LADLE PREHEATER/DRYER #2		
Z249	FUGITIVE EMISSIONS - LADLE PREHEATER/DRYER #3		
Z25	SILICON PROC ROOF MONITOR		
Z250	FUGITIVE EMISSIONS - LADLE PREHEATER/DRYER #4		
Z251	FUGITIVE EMISSIONS - LADLE PREHEATER/DRYER		



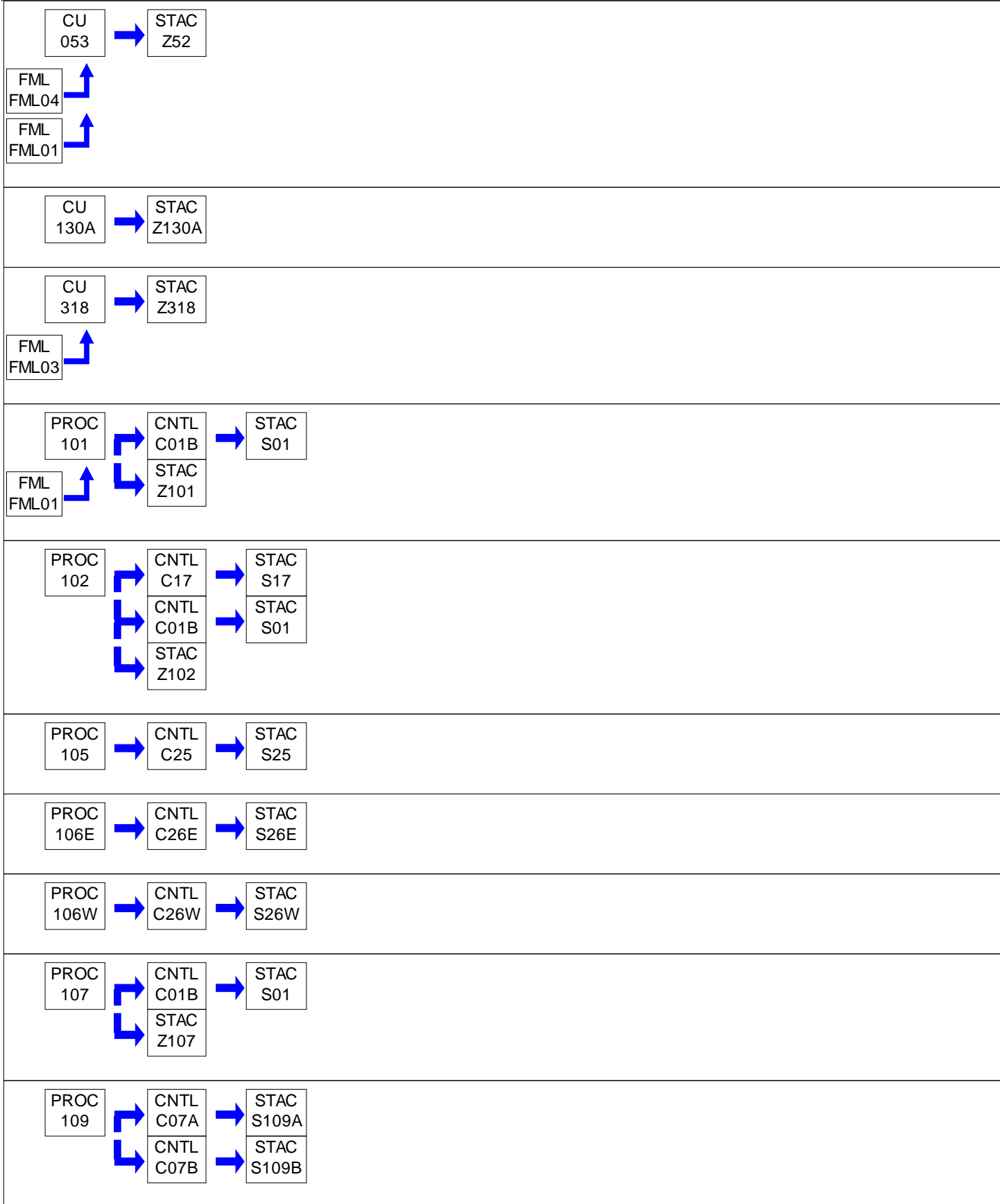
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
	#5		
Z252	FUGITIVE EMISSIONS - LADLE PREHEATER/DRYER #6		
Z254	FUGITIVE EMISSIONS - LADLE PREHEATER/DRYER #9		
Z255	FUGITIVE EMISSIONS - LADLE PREHEATER/DRYER #8		
Z301	FUGITIVE EMISSIONS PARTS WASHERS		
Z302	FUGITIVE EMISSIONS - #7 LADLE DRYING STATION		
Z308	FUGITIVE EMISSIONS - HILLTOP SLUDGE BED/MIXED FILL PAD		
Z311	FUGITIVE EMISSIONS FROM SCRAP CUTTING		
Z312	FUGITIVE FROM EAF ALLOY TRUCK DUMP		
Z313	FUGITIVE FROM LMF ALLOY TRUCK DUMP		
Z317	NO. 22 COOLING TOWER FUGITIVE EMISSIONS		
Z318	EMERGENCY DIESEL PUMP EMISSIONS		
Z320	FUGITIVE FROM WEST END HOPPER HOUSE TRUCK DUMP		
Z325	EXISTING COOLING TOWER EMISSIONS		
Z351	FUGITIVE EMISSIONS - SLAG SKIMMING STATION		
Z353	FUGITIVE EMISSIONS - ALLOY BIN HANDLING ACTIVITIES		
Z354	FUGITIVE EMISSIONS - SLAG HANDLING		
Z52	NAT GAS SPACEHEATERS		

**PERMIT MAPS**

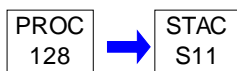
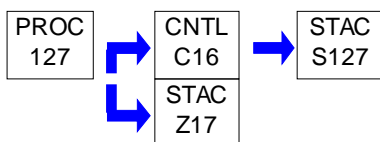
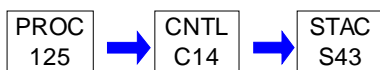
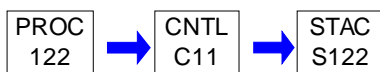
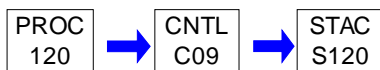
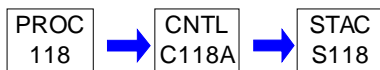
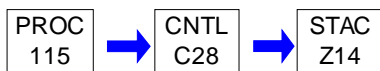
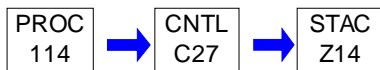
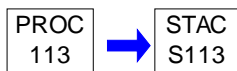
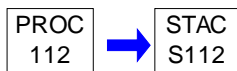
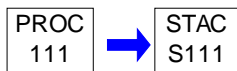
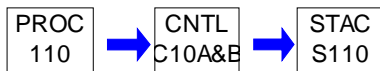


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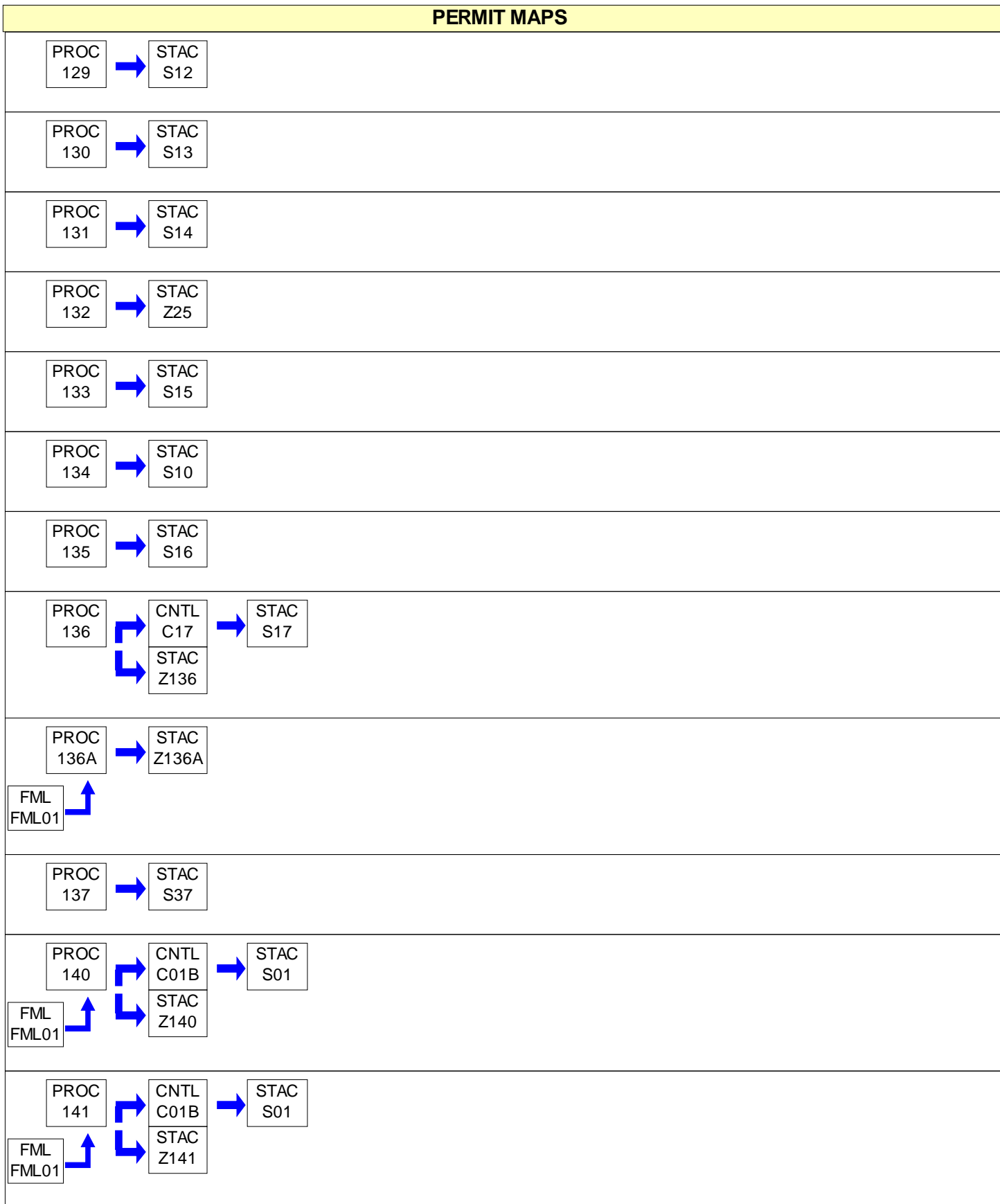


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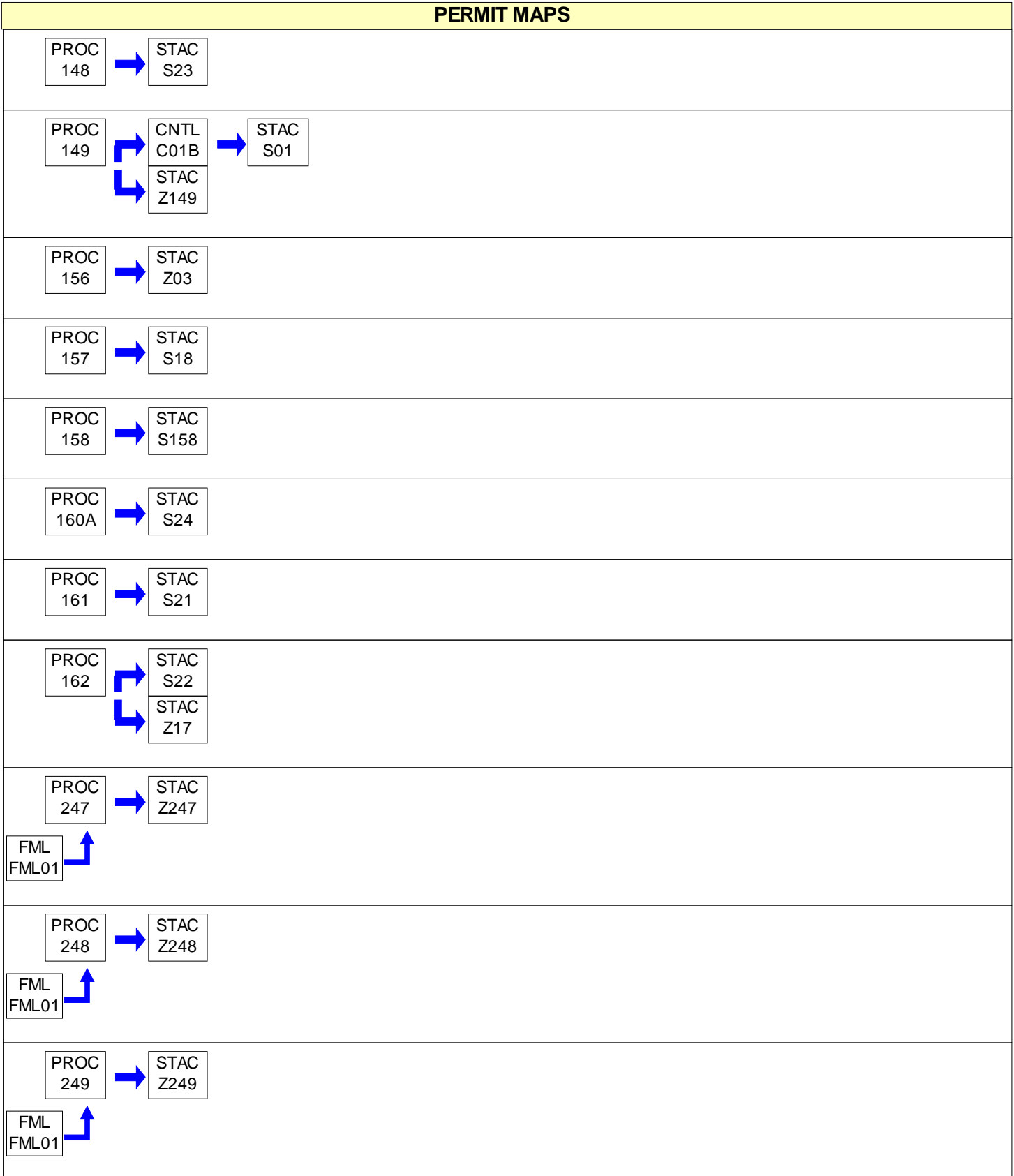


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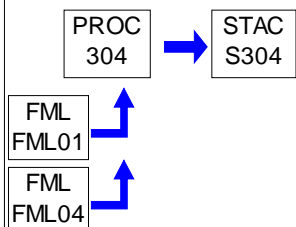
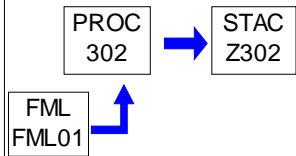
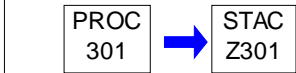
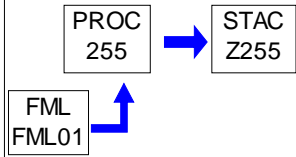
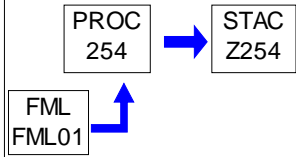
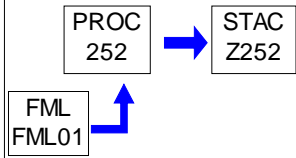
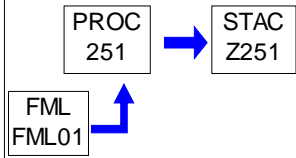
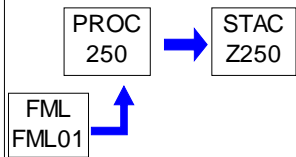


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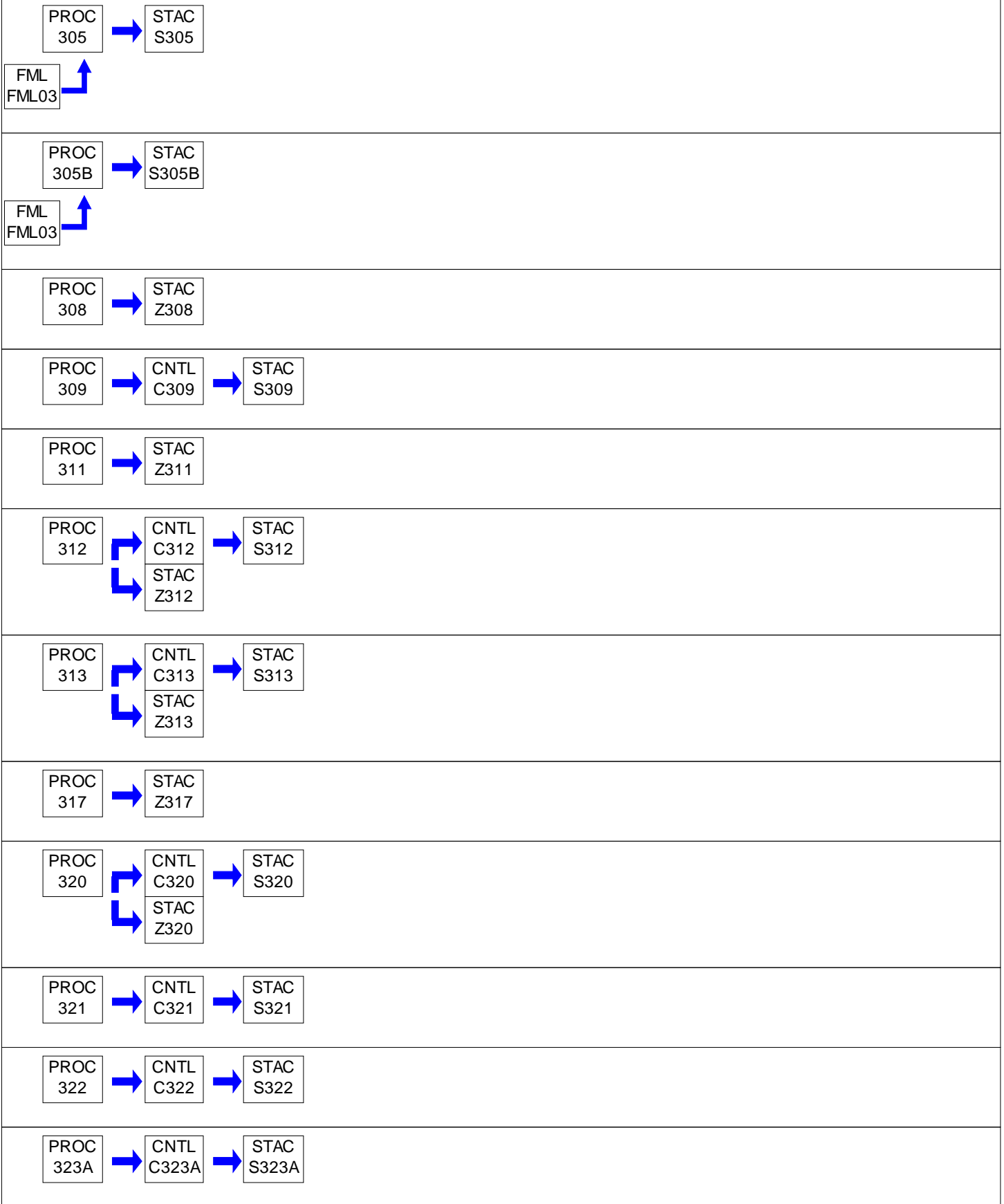


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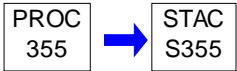
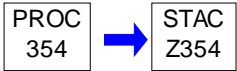
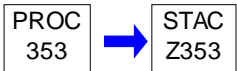
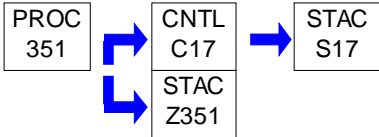
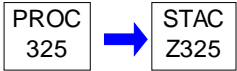
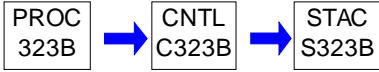


PERMIT MAPS





**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 § 121.7]****Prohibition of Air Pollution**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
- (2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;
- (4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

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

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

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

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

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

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

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

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

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

**#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]****Duty to Provide Information**

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

**SECTION B. General Title V Requirements**

to determine compliance with the permit.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

R3\_Air\_Apps\_and\_Notices@epa.gov

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

**#014 [25 Pa. Code § 127.541]****Significant Operating Permit Modifications**

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with

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25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3\_Air\_Apps\_and\_Notices@epa.gov

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

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

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

R3\_Air\_Apps\_and\_Notices@epa.gov

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

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

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

R3\_Air\_Apps\_and\_Notices@epa.gov

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

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

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

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

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

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees).

(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).

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(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).

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

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

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

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

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

- (1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.
- (2) One ton of NO<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> 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 PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> 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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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the device or technique may be used for control of malodors.

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

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

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

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

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.

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #022 of this section.

**#027 [25 Pa. Code § 127.3]****Operational Flexibility**

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

- (1) Section 127.14 (relating to exemptions)



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

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

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).
- (b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:
- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
    - (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
    - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
  - (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.
  - (3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.
- (c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.
- (d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:
- (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
  - (2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.
- (e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.
- (f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:
- (1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

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(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #26 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).

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

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

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

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

- (1) The applicable requirements are included and are specifically identified in this permit.
- (2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

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

- (1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.
- (2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.
- (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.
- (4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.

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

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

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

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

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

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

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

No person may 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.

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

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

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

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

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

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

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

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

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

- (1) when the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.

**SECTION C. Site Level Requirements**

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

**# 006 [25 Pa. Code §129.14]****Open burning operations**

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

- (1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.
- (2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.
- (3) The emissions interfere with the reasonable enjoyment of life or property.
- (4) The emissions cause damage to vegetation or property.
- (5) The emissions are or may be deleterious to human or animal 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.

**Throughput Restriction(s).****# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

The production in the melt shop shall be limited to 2,000,000 tons of liquid steel in any consecutive 12-month rolling period.

**II. TESTING REQUIREMENTS.****# 008 [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.

**SECTION C. Site Level Requirements****III. MONITORING REQUIREMENTS.****# 009 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

- (1) A device approved by the Department and maintained to provide accurate opacity measurements.
- (2) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

**IV. RECORDKEEPING REQUIREMENTS.****# 010 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

The permittee shall maintain monthly records from the following sources and activities:

- (a) Tons of liquid steel produced from each of the electric arc furnaces
- (b) Tons of steel slabs from the Melt Shop, sold as semi-finished slabs or sent to other AK Steel facilities
- (c) Tons of steel produced in the Melt Shop, sent through the finishing operations
- (d) Tons of steel purchased from outside sources or brought in from other AK Steel facilities and processed through the finishing operations

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

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

**# 012 [25 Pa. Code §135.5]****Recordkeeping**

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

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

[Plan Approval 10-001O]

The permittee shall submit to the Department, as part of the semi-annual deviation report, the following:

- (a) Tons of liquid steel produced from each of the electric arc furnaces
- (b) Tons of steel slabs from the Melt Shop, sold as semi-finished slabs or sent to other AK Steel facilities
- (c) Tons of steel produced in the Melt Shop, sent through the finishing operations
- (d) Tons of steel purchased from outside sources or brought in from other AK Steel facilities and processed through the finishing operations

**# 014 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

Reports, test data, monitoring data, notifications shall be submitted to:

Regional Air Program Manager  
PA Department of Environmental Protection

**SECTION C. Site Level Requirements**

230 Chestnut Street  
Meadville PA 16335

Any report or notification for the EPA Administrator or EPA Region III should be addressed to:  
Air Enforcement Branch (3AP12)  
United States Environmental Protection Agency  
Region 3  
1650 Arch Street  
Philadelphia, PA 19103-2029

In addition, any report or notification for the EPA Administrator or EPA Region III should be copied to:

Regional Air Program Manager  
PA Department of Environmental Protection  
230 Chestnut Street  
Meadville PA 16335

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.

**# 015 [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, above, and the corrective action taken.

**# 016 [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 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.

**# 017 [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.

**SECTION C. Site Level Requirements****# 018 [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.****# 019 [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.

**# 020 [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, 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.****# 021 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

Where conflicting State and Federal (e.g., NSPS) requirements appear in this permit, the permittee will be required to comply with the more stringent of the stated requirements.

**# 022 [25 Pa. Code §127.206]****ERC general requirements.**

As previously required by Plan Approval 10-001M, emission reduction credits in the amount(s) below have been obtained by AK Steel and processed through the ERC registry. No additional emission reduction credits will be required in conjunction with this permit.

- (a) 126 tons per year of VOCs to offset emissions of 109.1 tons per year of VOCs. (Purchased from International Paper - Erie)
- (b) 238 tons per year of NO<sub>x</sub> to offset emissions of 206.4 tons per year of NO<sub>x</sub>. (Purchased from International Paper - Erie)
- (c) 179 tons per year of SO<sub>2</sub>. (Purchased from INDSPEC Chemical Corporation)

[Purchase of required ERCs is one-time requirement.]

**SECTION C. Site Level Requirements****# 023 [25 Pa. Code §127.207]****ERC generation and creation.**

A creditable emissions decrease or ERC generation and creation from the shutdown of EAF #3 and EAF #4 may occur under the following conditions:

(1) A creditable emissions decrease or ERC shall be surplus, permanent, quantified and Federally enforceable as follows:

(i) Surplus. A creditable emissions decrease or ERC shall be included in the current emission inventory, and may not be required by or be used to meet past or current SIP, attainment demonstration, RFP, emissions limitation or compliance plans. Emissions reductions necessary to meet NSPS, LAER, RACT, BAT, BACT, allowance-based programs and permit or plan approval emissions limitations or other emissions limitations required by the Clean Air Act or the act may not be used to generate ERCs or a creditable emissions decrease.

(ii) Permanent. A creditable emissions decrease or ERC generated from emissions reductions which are Federally enforceable through an operating permit or a revision to the SIP and assured for the life of the corresponding increase, whether unlimited or limited in duration, are considered permanent. Emissions limitations and other restrictions imposed on a permit as a result of a creditable emissions decrease or ERC generation shall be carried over into each successive permit issued to that facility. MERCs and other ERCs generated pursuant to an approved economic incentive program shall be permanent within the time frame specified by the program.

(iii) Quantified. A creditable emissions decrease or ERC shall be quantified in a credible, workable and replicable method consistent with procedures promulgated by the Department and the EPA.

(iv) Enforceable. A creditable emissions decrease or ERC shall be Federally enforceable emissions reductions on or before the construction date, regulated by Federal or SIP emissions limitations, such as a limit on potential to emit in the permit, and be generated from a plan approval, economic incentive program or permit limitation.

[From 25 Pa. Code § 127.207(1)(i - iv)]

**# 024 [25 Pa. Code §127.207]****ERC generation and creation.**

The reduced emissions limitation of the new or modified permit of the source or facility generating the creditable emissions decrease or ERC shall be continuously verified by Department, local air pollution control agency or other State approved compliance monitoring and reporting programs. Onsite inspections will be made to verify shutdowns. If equipment has not been dismantled or removed, the owner or operator shall on an annual basis certify in writing to the Department the continuance of the shutdown.

[From 25 Pa. Code § 127.207(7)]

**# 025 [25 Pa. Code §129.96]****Applicability**

(a) The NO<sub>x</sub> requirements of this section and §§ 129.97—129.100 apply Statewide to the owner and operator of a major NO<sub>x</sub> emitting facility and the VOC requirements of this section and §§ 129.97—129.100 apply Statewide to the owner and operator of a major VOC emitting facility that were in existence on or before July 20, 2012, for which a requirement or emission limitation, or both, has not been established in §§ 129.51—129.52c, 129.54—129.69, 129.71—129.73, 129.75, 129.77, 129.101—129.107 and 129.301—129.310.

[Source 301 is subject to § 129.63 and therefore exempt from RACT II.]

(b) [Not Applicable]

(c) This section and §§ 129.97—129.100 do not apply to the owner and operator of a NO<sub>x</sub> air contamination source located at a major NO<sub>x</sub> emitting facility that has the potential to emit less than 1 TPY of NO<sub>x</sub> or a VOC air contamination source located at a major VOC emitting facility that has the potential to emit less than 1 TPY of VOC.



**SECTION C. Site Level Requirements**

[List of sources with NOx and VOC PTEs less than 1 TPY is incorporated under Section H. Miscellaneous of this permit.]

(d) [Not Applicable]

**# 026 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7480]**

**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: 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.

**# 027 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]**

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

**Am I subject to this subpart?**

You are subject to this subpart if you own or operate an industrial, commercial, or institutional boiler or process heater as defined in § 63.7575 that is located at, or is part of, a major source of HAP, except as specified in § 63.7491. For purposes of this subpart, a major source of HAP is as defined in § 63.2, except that for oil and natural gas production facilities, a major source of HAP is as defined in § 63.7575.

[78 FR 7162, Jan. 31, 2013]

**# 028 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7490]**

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

**What is the affected source of this subpart?**

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

(1) The affected source of this subpart is the collection at a major source of all existing industrial, commercial, and institutional boilers and process heaters within a subcategory as defined in § 63.7575.

(2) The affected source of this subpart is each new or reconstructed industrial, commercial, or institutional boiler or process heater, as defined in § 63.7575, located at a major source.

(b) A boiler or process heater is new if you commence construction of the boiler or process heater after June 4, 2010, and you meet the applicability criteria at the time you commence construction.

(c) A boiler or process heater is reconstructed if you meet the reconstruction criteria as defined in § 63.2, you commence reconstruction after June 4, 2010, and you meet the applicability criteria at the time you commence reconstruction.

(d) A boiler or process heater is existing if it is not new or reconstructed.

(e) [Not Applicable]

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

**# 029 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7491]**

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

**Are any boilers or process heaters not subject to this subpart?**

The types of boilers and process heaters listed in paragraphs (a) through (n) of this section are not subject to this subpart.

(d) A hot water heater as defined in this subpart.

**SECTION C. Site Level Requirements**

(j) Temporary boilers and process heaters as defined in this subpart.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7162, Jan. 31, 2013; 80 FR 72806, Nov. 20, 2015]

[For the complete list of exempted boilers and process heaters, please refer to § 63.7491 under Title 40 - Protection of Environment in [www.ecfr.gov](http://www.ecfr.gov).]

**# 030 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]**

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

**When do I have to comply with this subpart?**

(a) If you have a new or reconstructed boiler or process heater, you must comply with this subpart by April 1, 2013, or upon startup of your boiler or process heater, whichever is later.

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

(c) [Not Applicable]

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

(e) - (f) [Not Applicable]

(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 an exemption in §63.7491(i) that becomes subject to this subpart after January 31, 2013, you must be in compliance with the applicable existing source provisions of this subpart within 3 years after such unit becomes subject to this subpart.

(h) If you own or operate an existing industrial, commercial, or institutional boiler or process heater and have switched fuels or made a physical change to the boiler or process heater that resulted in the applicability of a different subcategory after the compliance date of this subpart, you must be in compliance with the applicable existing source provisions of this subpart on the effective date of the fuel switch or physical change.

(i) If you own or operate a new industrial, commercial, or institutional boiler or process heater and have switched fuels or made a physical change to the boiler or process heater that resulted in the applicability of a different subcategory, you must be in compliance with the applicable new source provisions of this subpart on the effective date of the fuel switch or physical change.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7162, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

**# 031 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7499]**

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

**What are the subcategories of boilers and process heaters?**

The subcategories of boilers and process heaters, as defined in § 63.7575 are:

(l) Units designed to burn gas 1 fuels.

(n) Metal process furnaces.

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

[For the complete list of boilers and process heaters subject to § 40 CFR 63 Subpart DDDDD, please refer to § 63.7499 under Title 40 - Protection of Environment in [www.ecfr.gov](http://www.ecfr.gov).]

**SECTION C. Site Level Requirements****# 032 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7565]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What parts of the General Provisions apply to me?**

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

**# 033 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7570]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: 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 part 63, subpart E, the authorities listed in paragraphs (b)(1) through (4) 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 emission limits and work practice standards in §63.7500(a) and (b) under §63.6(g), except as specified in §63.7555(d)(13).

(2) 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).

(3) 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).

(4) 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; 80 FR 72817, Nov. 20, 2015]

**# 034 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7575]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What definitions apply to this subpart?**

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

**VIII. COMPLIANCE CERTIFICATION.**

The permittee shall submit within thirty days of 12/31/2018 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #026 of section B of this permit, and annually thereafter.

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

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

**SECTION D. Source Level Requirements**

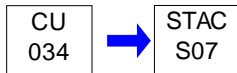
Source ID: 034

Source Name: BOILER 10 (MP)

Source Capacity/Throughput: 42.000 MMBTU/HR

42.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SUBPART DDDDD

**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 SO<sub>2</sub>, 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 SO<sub>2</sub> 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) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

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

**# 006 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

[§ 129.100(g) & (i)]

(a) The owner or operator of a combustion unit subject to § 129.97(b) shall record each adjustment conducted under the procedures in § 129.97(b). This record must contain, at a minimum:

- (1) The date of the tuning procedure.
- (2) The name of the service company and the technician performing the procedure.
- (3) The final operating rate or load.
- (4) The final NOx and CO emission rates.
- (5) The final excess oxygen rate.
- (6) Other information required by the applicable operating permit.

[Compliance with § 63.7540(a)(10), incorporated in this permit under Source Group SUBPART DDDDD in Section E, assures compliance with § 129.97(b).]

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 007 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

This source shall be operated and maintained in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

**VII. ADDITIONAL REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

For RACT II purposes:

(a) Compliance with § 63.7540(a)(10), incorporated under Source Group SUBPART DDDDD in Section E of this permit, assures compliance with the work practice requirement of 25 Pa. Code § 129.97(b)(1).

(b) Compliance with an existing work practice requirement (Condition #007) assures compliance with 25 Pa. Code § 129.97(d).

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

**SECTION D. Source Level Requirements**

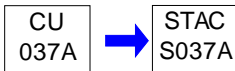
Source ID: 037A

Source Name: BOILER 21 (HTP)

Source Capacity/Throughput: 11.500 MMBTU/HR

11.500 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SUBPART DDDDD

**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<sub>dv</sub> NO<sub>x</sub> at 3% O<sub>2</sub> when firing gas;
- (b) 400 ppm<sub>dv</sub> CO at 3% O<sub>2</sub>.

[GP-1 Rev. 2/2002, 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.

[GP-1 Rev. 2/2002, 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) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level 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 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 SO<sub>2</sub> standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.
- (3) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to this subpart) at that property are natural gas, wood, distillate oil meeting the most current requirements in §60.42C to use fuel certification to demonstrate compliance with the SO<sub>2</sub> standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month.

[§ 60.48c(g) is a requirement of Condition #23 of GP-1 Rev. 2/2002.]

**V. REPORTING REQUIREMENTS.**

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

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

[GP-1 Rev. 2/2002, Condition #25]

**# 006 [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).

[GP-1 Rev. 2/2002, Condition#6]

**VI. WORK PRACTICE REQUIREMENTS.**

**# 007 [25 Pa. Code §127.12b]  
Plan approval terms and conditions.**

- (1) 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 emissions-related specifications if available, or in

**SECTION D. Source Level Requirements**

accordance with good air pollution control practices, and the applicable terms and conditions of this Small Combustion Unit General Permit.

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

[GP-1 Rev. 2/2002, Conditions #4 & #21, respectively.]

**VII. ADDITIONAL REQUIREMENTS.**

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

For RACT II purposes:

(a) Compliance with § 63.7560(b) & (c), incorporated under Source Group SUBPART DDDDD in Section E of this permit, assures compliance with recordkeeping requirements of 25 Pa. Code § 129.100(d) & (i), respectively.

(b) Compliance with GP-1-based condition (Condition #007) assures compliance with the work practice requirement of 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(3).

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



**SECTION D. Source Level Requirements**

Source ID: 039

Source Name: MAIN PLANT BOILER #22

Source Capacity/Throughput: 60.000 MMBTU/HR

60.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SUBPART DDDDD

**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.

**SECTION D. Source Level Requirements****# 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 NO<sub>x</sub> emission limits.
- (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) At least ninety (90) 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 permit condition.
  4. Statement of compliance or non-compliance with each applicable permit 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,

**SECTION D. Source Level Requirements**

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.

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 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 permit.

(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.

**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).

**VI. WORK PRACTICE REQUIREMENTS.****# 008 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

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

**# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

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

(b) The source shall be operated and maintained in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices. If available, the permittee shall maintain a copy of the manufacturer's specifications onsite and make available to the Department upon request.

**# 010 [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

**SECTION D. Source Level Requirements**

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<sub>x</sub>, 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.

**VII. ADDITIONAL REQUIREMENTS.**

**# 011 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

For RACT II purposes:

(a) Compliance with the 0.036 lb/mmBtu NO<sub>x</sub> limit established through PA 10-001L for this source assures compliance with the presumptive NO<sub>x</sub> limit of 25 Pa. Code § 129.97(g)(1)(i).

(b) Compliance with the testing requirements established through PA 10-001L for this source assures compliance with 25 Pa. Code § 129.100(a)(4).

(c) Compliance with § 63.7560(b) & (c), incorporated under Source Group SUBPART DDDDD in Section E of this permit, assures compliance with the recordkeeping requirements of 25 Pa. Code § 129.100(d) & (i), respectively.

(d) Compliance with a work practice condition established through PA 10-001L for this source assures compliance with 25 Pa. Code § 129.97(d).

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

**SECTION D. Source Level Requirements**

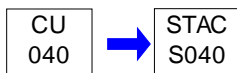
Source ID: 040

Source Name: BACKUP BOILER (HTP)

Source Capacity/Throughput:

9.970 MCF/HR

Natural Gas

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

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

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

**Fuel Restriction(s).****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This combustion unit shall be fired only on 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 Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What records must I keep?**

[See § 63.7555 under Source Group SUBPART DDDDD in Section E of this permit.]

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****In what form and how long must I keep my records?**

[See § 63.7560 under Source Group SUBPART DDDDD in Section E of this permit.]

**V. REPORTING REQUIREMENTS.****# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart DDDDD Table 9]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**SECTION D. Source Level Requirements****Reporting Requirements**

As stated in §63.7550, you must comply with the following requirements for reports:

YOU MUST SUBMIT A:  
Compliance report

THE REPORT MUST CONTAIN:  
(a) Information required in §63.7550(c)(1) through (5); and  
(b) - (d) [Do not apply]

YOU MUST SUBMIT THE REPORT:  
Biennially according to the requirements in §63.7550(b).

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7205, Jan. 31, 2013; 80 FR 72830, Nov. 20, 2015]

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What notifications must I submit and when?**

(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) [Does not apply]

(c) As specified in §63.9(b)(4) and (5), if you startup your new or reconstructed affected source on or after January 31, 2013, you must submit an Initial Notification not later than 15 days after the actual date of startup of the affected source.

[For § 63.9(b)(4) and (5), please refer to § 63.9 under Title 40 - Protection of Environment in [www.ecfr.gov](http://www.ecfr.gov).]

(d) [Do not apply]

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

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013; 80 FR 72814, Nov. 20, 2015]

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What reports must I submit and when?**

[See § 63.7550 under Source Group SUBPART DDDDD in Section E of this permit.]

[Applicable provisions of Table 9 to § 63 Subpart DDDDD are incorporated in V. Reporting Requirements, Condition #007 for this source.]

**VI. WORK PRACTICE REQUIREMENTS.****# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart DDDDD Table 3]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****Work Practice Standards**

As stated in §63.7500, you must comply with the following applicable work practice standards:

IF YOUR UNIT IS:

(2) A new or existing boiler or process heater with heat input capacity of less than 10 million Btu per hour, but greater than 5 million Btu per hour, in any of the following subcategories: unit designed to burn gas 1; unit designed to burn gas 2

**SECTION D. Source Level Requirements**

(other); or unit designed to burn light liquid

YOU MUST MEET THE FOLLOWING:

Conduct a tune-up of the boiler or process heater biennially as specified in §63.7540.

[Other items of this table do not apply.]

[78 FR 7198, Jan. 31, 2013, as amended at 80 FR 72823, Nov. 20, 2015]

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**

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

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

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

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

[Table 3 to § 63 Subpart DDDDD is incorporated in VI. Work Practice Requirements, Condition #012 for this source.]

[Subparagraphs (i) to (iii) of § 63.7500(a)(1) do not apply.]

(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.

(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 with a heat input capacity greater than 5 million Btu per hour and less than 10 million Btu per hour must complete a tune-up every 2 years as specified in §63.7540. Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, or the operating limits in Table 4 to this subpart.

(f) [Does not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7505]**

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

**What are my general requirements for complying with this subpart?**

[See § 63.7505 under Source Group SUBPART DDDDD in Section E of this permit]

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]**

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

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

(g) For new or reconstructed affected sources (as defined in §63.7490), you must demonstrate initial compliance with the

**SECTION D. Source Level Requirements**

applicable work practice standards in Table 3 to this subpart within the applicable annual, biennial, or 5-year schedule as specified in §63.7515(d) following the initial compliance date specified in §63.7495(a). Thereafter, you are required to complete the applicable annual, biennial, or 5-year tune-up as specified in §63.7515(d).

[The rest of the provisions of this section do not apply.]

[78 FR 7164, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015]

**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****When must I conduct subsequent performance tests or fuel analyses, or tune-ups?**

(d) If you are required to meet an applicable tune-up work practice standard, you must conduct a biennial performance tune-up according to § 63.7540(a)(11). Each biennial tune-up specified in §63.7540(a)(11) must be conducted no more than 25 months after the previous tune-up.

(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.

[The rest of the provisions of this section do not apply.]

[78 FR 7165, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015]

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****How do I demonstrate continuous compliance with the emission limitations, fuel specifications and work practice standards?**

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

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

(10) [First sentence omitted.] You must conduct the tune-up while burning the type of fuel (or fuels in case of units that routinely burn a mixture) that provided the majority of the heat input to the boiler or process heater over the 12 months prior to the tune-up. This frequency does not apply to limited-use boilers and process heaters, as defined in §63.7575, or units with continuous oxygen trim systems that maintain an optimum air to fuel ratio.

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

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

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

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

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume



**SECTION D. Source Level Requirements**

percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

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

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

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

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

(11) If your boiler or process heater has a heat input capacity of less than 10 million Btu per hour (except as specified in paragraph (a)(12) of this section), you must conduct a biennial tune-up of the boiler or process heater as specified in paragraphs (a)(10)(i) through (vi) of this section to demonstrate continuous compliance.

(12) [Does 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, as amended at 80 FR 72813, Nov. 20, 2015]

**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**

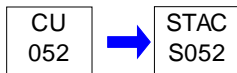
Source ID: 052

Source Name: SPACE HEATERS &lt; 2.5 MMBTU

Source Capacity/Throughput:

2.500 MCF/HR

Natural Gas

**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 SO<sub>2</sub>, 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 emissions-related specifications if available, 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).



**SECTION D. Source Level Requirements**

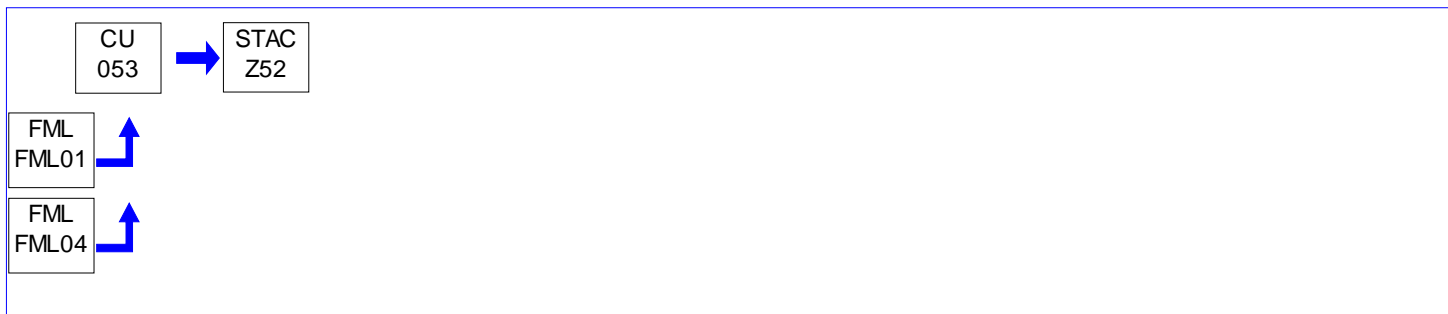
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 053

Source Name: 2.5 MMBTU/HR &lt; SPACEHEATERS &lt; 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 SO<sub>2</sub>, 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 SO<sub>2</sub> 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.****# 004 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

[§ 129.100(d) & (i)]

The permittee shall keep records to demonstrate compliance with §§129.96-129.99 in the following manner:

- (a) Records must include sufficient data and calculations to demonstrate that the requirements of §§129.96-129.99 are

**SECTION D. Source Level Requirements**

met.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(3).]

**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**

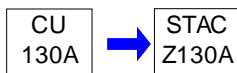
Source ID: 130A

Source Name: PREHEAT FURNACE #6

Source Capacity/Throughput:

9.000 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 SO<sub>2</sub>, 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 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

[§ 129.100(d) &amp; (i)]

The permittee shall keep records to demonstrate compliance with §§129.96-129.99 in the following manner:

(a) Records must include sufficient data and calculations to demonstrate that the requirements of §§129.96-129.99 are met.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**SECTION 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.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(1).]

**VII. ADDITIONAL REQUIREMENTS.**

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

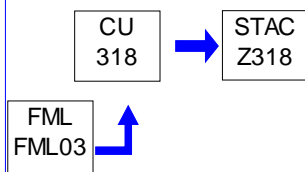
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 318

Source Name: EMERGENCY DIESEL PUMP (340 HP)

Source Capacity/Throughput: 18.000 Gal/HR #2 Oil

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

[Plan Approval 10-001O]

The emissions from the emergency diesel pump shall not, at any time exceed:

(a) Visible emissions

- (i) Equal to or greater than 10% for a period or periods aggregating more than three (3) minutes in any one (1) hour; and
- (ii) Equal to or greater than 30% at any time.

(b) Particulate matter in excess of 0.04 grain per dry standard cubic foot

(c) Total Hydrocarbon (THC) emissions of 1.0 gm/bhp-hr.

(d) CO emissions of 2.0 gms/bhp-hr.

(e) NOx emissions of 6.9 gms/bhp-hr.

If the emission limits listed in Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines are more stringent than the above listed limits, the permittee shall comply with the more stringent limits.

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal co**

(a) [Not applicable]

(b) Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in §60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.

[Below are the emission standards pursuant to § 89.112, as referenced in § 60.4202. Source 318 is an engine certified to meet EPA's § 60 Subpart IIII, Tier 3 (model 2006 & later) exhaust emissions.

- (1) PM emission of 0.2 g/kwh (0.15 g/bhp-hr)
- (2) CO emission of 3.5 g/kwh (2.6 g/bhp-hr)
- (3) NOx+ NMHC emissions of 4.0 g/kwh (2.94 g/bhp-hr )

(c) - (f) [Not applicable]



**SECTION D. Source Level Requirements**

[71 FR 39172, July 11, 2006, as amended at 76 FR 37969, June 28, 2011]

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]  
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine**

Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in §§60.4204 and 60.4205 over the entire life of the engine.

[76 FR 37969, June 28, 2011]

**Fuel Restriction(s).**

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

[Plan Approval 10-001O]

The sulfur content in the diesel fuel shall not, at any time exceed 15 ppm by weight.

**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]  
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to**

(a) [Not applicable]

(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.

(c) [Reserved]

(d) - (e) [Not applicable]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37969, June 28, 2011; 78 FR 6695, Jan. 30, 2013]

**Operation Hours Restriction(s).**

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

[Plan Approval 10-001O]

(a) The 380 hp emergency diesel pump shall not operate more than 500 hours in any consecutive 12-month period.

(b) The 380 hp emergency diesel pump shall not operate more than 50 hours for non-emergency purposes in any consecutive 12-month period.

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]  
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(f) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (f)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (3) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

**SECTION D. Source Level Requirements**

(1) [Streamlined out by PA 10-001O's operating hour restrictions]

(2) You may operate your emergency stationary ICE 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 paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(ii) - (iii) [Vacated]

(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. Except as provided in paragraph (f)(3)(i) of this section, the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) [Not Applicable]

(ii) [Reserved]

[For other applicable provisions of this section, see VI. Work Practice Requirements.]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37970, June 28, 2011; 78 FR 6695, Jan. 30, 2013; 81 FR 44219, July 7, 2016]

**II. TESTING REQUIREMENTS.**

**# 008 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 10-001O]

The Department reserves the right to require verification of emission rates which may include source testing in accordance with applicable provisions of 25 Pa. Code Chapter 139 (relating to sampling and testing).

**III. MONITORING REQUIREMENTS.**

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]**

**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

If you are an owner or operator, you must meet the monitoring requirements of this section. In addition, you must also meet the monitoring requirements specified in §60.4211.

(a) If you are an owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine.

(b) [Not applicable]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37969, June 28, 2011]

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 010 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

[§ 129.100(d) &amp; (i)]

The permittee shall keep records to demonstrate compliance with §§129.96-129.99 in the following manner:

(a) Records must include sufficient data and calculations to demonstrate that the requirements of §§129.96-129.99 are met.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**V. REPORTING REQUIREMENTS.****# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) [Not applicable]

(b) If the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification. Starting with the model years in table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

(c) - (e) [Not applicable]

[71 FR 39172, July 11, 2006, as amended at 78 FR 6696, Jan. 30, 2013; 81 FR 44219, July 7, 2016]

**VI. WORK PRACTICE REQUIREMENTS.****# 012 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

The emergency diesel pump shall be:

(a) operated in such a manner as not to cause air pollution, as defined in 25 Pa. Code §121.1;

(b) operated and maintained in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

[Compliance with paragraph (b) of this condition assures compliance with 25 Pa. Code § 129.97(c) of RACT II for sources meeting § 129.97(c)(5) &/or (c)(8).]

**# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must do all of the following, except as permitted under paragraph (g) of this section:

(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

**SECTION D. Source Level Requirements**

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

(b) [Not Applicable]

(c) If you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in §60.4204(b) or §60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in §60.4205(c), you must comply by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section.

(d) - (e) [Not Applicable]

(f) [See I. Restrictions, Operating Hour Restrictions for this source]

(g) If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as follows:

(1) [Not Applicable]

(2) If you are an owner or operator of a stationary CI internal combustion engine greater than or equal to 100 HP and less than or equal to 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer.

(3) [Not Applicable]

(h) [Not Applicable]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37970, June 28, 2011; 78 FR 6695, Jan. 30, 2013; 81 FR 44219, July 7, 2016]

**VII. ADDITIONAL REQUIREMENTS.**

**# 014 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 10-0010]

This source shall be required to comply with all applicable requirements of 40 CFR 60 Subpart IIII, including any not listed or indicated as 'not applicable' in this permit.

**# 015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]**

**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**Am I subject to this subpart?**

(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) as specified in paragraphs (a)(1) through (3) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

(1) Not applicable

**SECTION D. Source Level Requirements**

(2) Owners and operators of stationary CI ICE that commence construction after July 11, 2005 where the stationary CI ICE are:

- (i) Manufactured after April 1, 2006 and are not fire pump engines, or
  - (ii) Not applicable
- (3) Not applicable
- (b) - (d) Not applicable

**# 016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4208]**  
**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**  
**What is the deadline for importing or installing stationary CI ICE produced in the previous model year?**

- (a) After December 31, 2008, owners and operators may not install stationary CI ICE (excluding fire pump engines) that do not meet the applicable requirements for 2007 model year engines.
- (b) - (g) [Not applicable. For stationary CI engines installed after December 31, 2009.]
- (h) In addition to the requirements specified in §§60.4201, 60.4202, 60.4204, and 60.4205, it is prohibited to import stationary CI ICE with a displacement of less than 30 liters per cylinder that do not meet the applicable requirements specified in paragraphs (a) through (g) of this section after the dates specified in paragraphs (a) through (g) of this section.
- (i) The requirements of this section do not apply to owners or operators of stationary CI ICE that have been modified, reconstructed, and do not apply to engines that were removed from one existing location and reinstalled at a new location.

[71 FR 39172, July 11, 2006, as amended at 76 FR 37969, June 28, 2011]

**# 017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4218]**  
**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**  
**What parts of the General Provisions apply to me?**

Table 8 to this subpart shows which parts of the General Provisions in §§60.1 through 60.19 apply to you.

**# 018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4219]**  
**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**  
**What definitions apply to this subpart?**

As used in this subpart, all terms not defined herein shall have the meaning given them in the CAA and in subpart A of this part.

COMPRESSION IGNITION means relating to a type of stationary internal combustion engine that is not a spark ignition engine.

DIESEL FUEL means any liquid obtained from the distillation of petroleum with a boiling point of approximately 150 to 360 degrees Celsius. One commonly used form is number 2 distillate oil.

EMERGENCY STATIONARY INTERNAL COMBUSTION ENGINE means any stationary reciprocating internal combustion engine that meets all of the criteria in paragraphs (1) through (3) of this definition. All emergency stationary ICE must comply with the requirements specified in §60.4211(f) in order to be considered emergency stationary ICE. If the engine does not comply with the requirements specified in §60.4211(f), then it is not considered to be an emergency stationary ICE under this subpart.

(1) The stationary ICE is operated to provide electrical power or mechanical work during an emergency situation. Examples include stationary ICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own

**SECTION D. Source Level Requirements**

power production) is interrupted, or stationary ICE used to pump water in the case of fire or flood, etc.

(2) The stationary ICE is operated under limited circumstances for situations not included in paragraph (1) of this definition, as specified in §60.4211(f).

(3) The stationary ICE operates as part of a financial arrangement with another entity in situations not included in paragraph (1) of this definition only as allowed in §60.4211(f)(2)(ii) or (iii) [i.e., vacated] and §60.4211(f)(3)(i).

MAXIMUM ENGINE POWER means maximum engine power as defined in 40 CFR 1039.801.

MODEL YEAR means the calendar year in which an engine is manufactured (see "date of manufacture"), except as follows:

(1) Model year means the annual new model production period of the engine manufacturer in which an engine is manufactured (see "date of manufacture"), if the annual new model production period is different than the calendar year and includes January 1 of the calendar year for which the model year is named. It may not begin before January 2 of the previous calendar year and it must end by December 31 of the named calendar year.

(2) For an engine that is converted to a stationary engine after being placed into service as a nonroad or other non-stationary engine, model year means the calendar year or new model production period in which the engine was manufactured (see "date of manufacture").

RECIPROCATING INTERNAL COMBUSTION ENGINE means any internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work.

STATIONARY INTERNAL COMBUSTION ENGINE means any internal combustion engine, except combustion turbines, that converts heat energy into mechanical work and is not mobile. Stationary ICE differ from mobile ICE in that a stationary internal combustion engine is not a nonroad engine as defined at 40 CFR 1068.30 (excluding paragraph (2)(ii) of that definition), and is not used to propel a motor vehicle, aircraft, or a vehicle used solely for competition. Stationary ICE include reciprocating ICE, rotary ICE, and other ICE, except combustion turbines.

SUBPART means 40 CFR part 60, subpart IIII.

[71 FR 39172, July 11, 2006, as amended at 76 FR 37972, June 28, 2011; 78 FR 6696, Jan. 30, 2013; 81 FR 44219, July 7, 2016]

[Only select terms are included in this operating permit. For the rest of the terminology used in § 60 Subpart IIII, please refer to § 60.4219 under Title 40 - Protection of Environment in [www.ecfr.gov](http://www.ecfr.gov).]

**# 019 [40 CFR Part 60 Standards of Performance for New Stationary Sources §Subpart IIII for Reg 40 Part 60 Table 8]**

**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
Applicability of General Provisions to Subpart IIII**

The permittee shall comply with the applicable General Provisions as outlined in § 40 CFR 60 Subpart IIII - Table 8.

[For Table 8 of § 60 Subpart IIII, please refer to Title 40 - Protection of Environment in [www.ecfr.gov](http://www.ecfr.gov).]

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

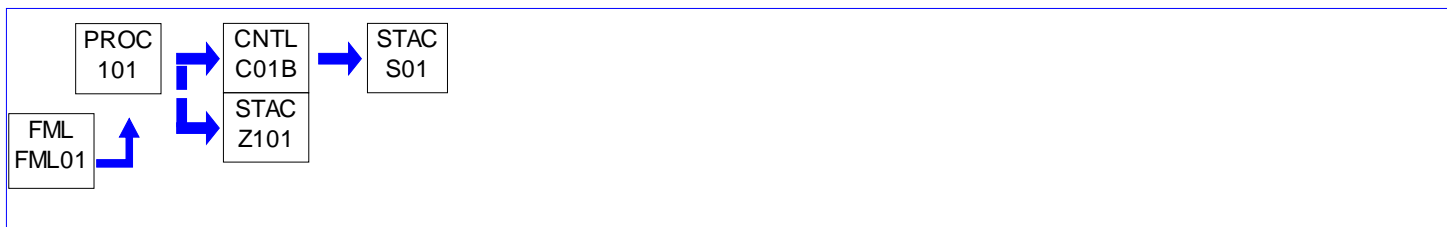
**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: ELECTRIC ARC FURNACE 5

Source Capacity/Throughput: 300.000 Tons/HR STEEL

Conditions for this source occur in the following groups: #3 BAGHOUSE  
 CAM PLAN  
 MELT SHOP  
 MELT SHOP TESTING CONDITIONS  
 RACT II - CASE BY CASE

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.99]****Alternative RACT proposal and petition for alternative compliance schedule.**

In accordance with 25 Pa. Code §129.99 Alternative RACT proposal (RACT II), the electric arc furnace shall be equipped with oxy-fuel burner/combustion technology.

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

[Plan Approval 10-001O]

(a) The maximum production rate for the #5 EAF shall not exceed the following:

- i. 300 tons of liquid steel per hour, calculated as a 24-hour average, and;
- ii. The average production rate of liquid steel during the most recent compliant stack testing plus 10% of the production rate, calculated as a 30-day rolling average.

(b) If at any time the 30-day rolling average production rate should exceed a limit established in section (a)ii. of this condition, the facility shall perform stack testing within 90 days of this exceedence in order to demonstrate compliance at this higher production rate, and establish it as a revised limit.

(c) The permittee shall follow the applicable conditions for stack testing that are in Section E - Melt Shop Testing.

(d) The allowable maximum production rate, shall become enforceable on the date that the stack test results are approved by the Department's stack testing section.

**II. TESTING REQUIREMENTS.****# 003 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall conduct stack testing for NO<sub>x</sub> and VOC in accordance with detailed testing requirements pursuant to current permit conditions.

**III. MONITORING REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

The permittee shall maintain, on a monthly basis, records of natural gas usage in the #5 EAF. The records shall be kept for five years and made available to the Department upon request.

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

[Plan Approval 10-001O]

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

(a) A copy of the Scrap Pollution Prevention Plan shall be kept on site and made available to the Department upon request.

(b) A record the type and condition of scrap added to each batch of steel produced shall be kept on site for a period of five years and made available to the Department upon request.

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

[Plan Approval 10-001O]

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the Alternative RACT proposal (RACT II).

(a) The permittee shall maintain monthly records of tons of liquid steel produced from the #5 EAF as a 12-month rolling total.

(b) The permittee shall maintain on a daily basis consecutive records of liquid steel produced from the #5 EAF in a 24 hour block.

(c) The records shall kept on site and made available to the Department upon request.

**# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

The permittee shall retain certificates of the analysis for the sulfur content of each carbon shipment received and records of the amount of carbon added for every heat of steel produced. The records shall be kept for five years and made available to the Department upon request.

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

[Plan Approval 10-001O]

The permittee shall submit to the Department, as part of the semi-annual deviation report, the liquid steel production in the #5 EAF.

**VI. WORK PRACTICE REQUIREMENTS.****# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]



**SECTION D. Source Level Requirements**

The sulfur content of any carbon source shall not exceed 2.0 percent by weight.

**# 010 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall implement the Scrap Pollution Prevention Plan as approved by the Department, to prevent the charging of any scrap into the furnace that is heavily oiled or contains a large amount of combustible, nonmetallic, or rubber materials to control VOC emissions.

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

[Plan Approval 10-001O]

A properly designed Direct Evacuation Control system (DEC) with water-cooled ducts shall be installed, maintained, and operated on the #5 EAF to control CO emissions.

**# 012 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

The #5 EAF shall only be operated when the DEC system, canopy hood, ductwork, fans associated with the #3 baghouse, and the #3 baghouse are functioning properly.

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

[Plan Approval 10-001O]

The permittee shall install, maintain and operate a meter to measure natural gas usage at the #5 EAF.

**# 014 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall install, operate, and maintain the No. 5 EAF in accordance with the manufacturer's emissions-related specifications, if available, 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) and/or Section E (Source Group Restrictions).

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

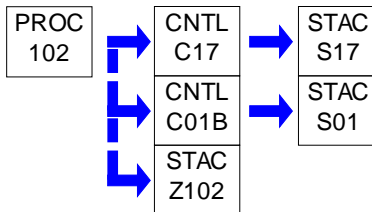
**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: ELECTRIC ARC FURNACE 2

Source Capacity/Throughput: 75.000 Tons/HR STEEL

Conditions for this source occur in the following groups: #1/2 BAGHOUSE  
 #3 BAGHOUSE  
 CAM PLAN  
 MELT SHOP  
 MELT SHOP TESTING CONDITIONS  
 RACT II - CASE BY CASE

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

[Plan Approval 10-001O]

- a) The total steel production from #2 EAF shall not exceed 250,000 tons of liquid steel in any 12 month rolling period.
- (b) The maximum production rate for the #2 EAF shall not exceed either of the following:
  - i. 75 tons of liquid steel per hour, calculated as a 24-hour average, and;
  - ii. The average production rate of liquid steel during the most recent compliant stack testing plus 10% of the production rate, calculated as a 30-day rolling average.
- (c) If at any time the 30-day rolling average production rate should exceed a limit established in section (b)ii. of this condition, the facility shall perform stack testing within 90 days of this exceedence in order to demonstrate compliance at this higher production rate, and establish it as a revised limit.
- (d) The permittee shall follow the applicable conditions for stack testing that are in Section E - Melt Shop Testing.
- (e) The allowable maximum production rate, shall become enforceable on the date that the stack test results are approved by the Department's stack testing section.

**II. TESTING REQUIREMENTS.****# 002 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall conduct stack testing for NOx and VOC in accordance with detailed testing requirements pursuant to current permit conditions.

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

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

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

[Plan Approval 10-001O]

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

A copy of the Scrap Pollution Prevention Plan shall be kept on site and made available to the Department upon request.

A record of the type and condition of scrap added to each batch of steel produced shall be kept on site for a period of five years and made available to the Department upon request.

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

[Plan Approval 10-001O]

The permittee shall retain certificates of the analysis for the sulfur content of each carbon shipment received and records of the amount of carbon added for every heat of steel produced. The records shall be kept for five years and made available to the Department upon request.

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

[Plan Approval 10-001O]

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

(a) The permittee shall maintain monthly records of tons of liquid steel produced from the #2 EAF as a 12-month rolling total.

(b) The permittee shall maintain on a daily basis consecutive records of liquid steel produced from the #2 EAF in a 24 hour block.

(c) The records shall kept on site and made available to the Department upon request.

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

[Plan Approval 10-001O]

The permittee shall submit to the Department, as part of the semi-annual deviation report, the liquid steel production in the #2 EAF.

**VI. WORK PRACTICE REQUIREMENTS.****# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code

**SECTION D. Source Level Requirements**

§129.99 Alternative RACT proposal (RACT II).

The permittee shall implement the Scrap Pollution Prevention Plan as approved by the Department, to prevent the charging of any scrap into the furnace that is heavily oiled or contains a large amount of combustible, nonmetallic, or rubber materials to control VOC emissions.

**# 008 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 10-001O]

The #2 EAF shall only be operated when the DEC system, canopy hood, ductwork, fans associated with the #1/2 and #3 baghouse, and the #1/2 and #3 baghouse are functioning properly.

**# 009 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 10-001O]

The sulfur content of any carbon source shall not exceed 2.0 percent by weight.

**# 010 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall operate and maintain the No. 2 EAF in accordance with the manufacturer's emissions-related specifications, if available, 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) and/or Section E (Source Group Restrictions).

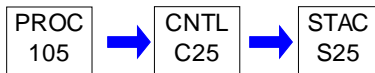
**\*\*\* Permit Shield in Effect. \*\*\***

**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 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 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 when operating, 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 emissions-related specifications if available, 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**

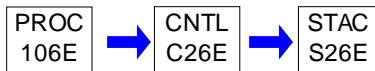
Source ID: 106E

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 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 when operating, 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 emissions-related specifications if available, 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).

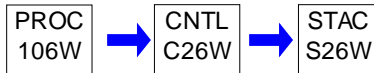
**\*\*\* Permit Shield in Effect. \*\*\***

**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 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 when operating, 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 emissions-related specifications if available, 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. \*\*\***

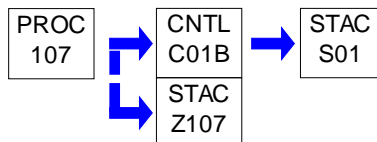
**SECTION D. Source Level Requirements**

Source ID: 107

Source Name: LADLE METALURGICAL FACILITY (LMF)

Source Capacity/Throughput: 300.000 Tons/HR STEEL

Conditions for this source occur in the following groups: #3 BAGHOUSE  
 CAM PLAN  
 MELT SHOP  
 MELT SHOP TESTING CONDITIONS

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

[Plan Approval 10-001O]

(a) The maximum throughput rate for the LMF shall not exceed either of the following:

- i. 300 tons of liquid steel per hour, calculated as a 24-hour average, and;
- ii. The average production rate of liquid steel during the most recent compliant stack testing plus 10% of the production rate, calculated as a 30-day rolling average.

(b) If at any time the 30-day rolling average production rate should exceed a limit established in section (a)ii. of this condition, the facility shall perform stack testing within 90 days of this exceedence in order to demonstrate compliance at this higher production rate, and establish it as a revised limit.

(c) The permittee shall follow the applicable conditions for stack testing that are in Section E - Melt Shop Testing.

(d) The allowable maximum throughput rate, shall become enforceable on the date that the stack test results are approved by the Department's stack testing section.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

[Plan Approval 10-001O]

(a) The permittee shall maintain, on a daily basis, records of the amount of steel refined in the LMF during a 24 hour period.



**SECTION D. Source Level Requirements**

(b) The permittee shall maintain monthly records of the amount of steel refined in the LMF as a 12-month rolling total.

(c) The records shall be kept for a period of five years and made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 10-0010]

The LMF shall only be operated when the ductwork and fans associated with the #3 Baghouse are functioning properly.

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The permittee shall install, operate, and maintain the LMF in accordance with the manufacturer's emissions-related specifications if available, 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) and/or Section E (Source Group Restrictions).

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

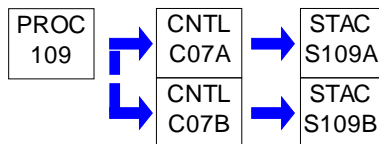
**SECTION D. Source Level Requirements**

Source ID: 109

Source Name: #2 TANDEM COLD MILL

Source Capacity/Throughput: 60.000 Tons/HR STEEL

Conditions for this source occur in the following groups: RACT II - CASE BY CASE

**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 §129.100]****Compliance demonstration and recordkeeping requirements.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The control devices associated with this source are to be operated when the source is in operation.

**# 003 [25 Pa. Code §129.99]****Alternative RACT proposal and petition for alternative compliance schedule.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The source must be equipped with and operate mist eliminators on the unit.

**II. TESTING REQUIREMENTS.****# 004 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

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

**III. MONITORING REQUIREMENTS.****# 005 [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.

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

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

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.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 007 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall keep the following records for 5 years:

Daily pressure drop across the control device, for each day the source is in operation;  
 Quarterly control device cleanings for each quarter in which the source has operated;  
 Monthly 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 §129.100]****Compliance demonstration and recordkeeping requirements.**

This requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall keep records of when TCH and RGO types of steel are being produced.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 009 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

(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 emissions-related specifications, if available, or in accordance with good air pollution control practices.

**# 010 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

This requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall perform quarterly cleaning of the mist eliminator for each quarter in which the source has operated.

**VII. ADDITIONAL REQUIREMENTS.**

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

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

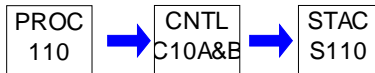
**SECTION D. Source Level Requirements**

Source ID: 110

Source Name: #3 TANDEM COLD MILL

Source Capacity/Throughput: 120.000 Tons/HR STEEL

Conditions for this source occur in the following groups: RACT II - CASE BY CASE

**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.****# 003 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

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

**III. MONITORING REQUIREMENTS.****# 004 [25 Pa. Code §127.12b]****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).

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

The following are CAM related requirements:

(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.

**SECTION D. Source Level Requirements**

(3) PREVENTIVE MAINTENANCE. 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 H<sub>2</sub>O 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. [N/A]

(4) CONTROL DEVICE CLEANING. [N/A]

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

**# 006 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

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.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 007 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

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.

**SECTION D. Source Level Requirements****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The following are CAM related requirements:

**Data Collection Procedures**

(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).]

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

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall keep the following records for 5 years:

Daily pressure drop readings across the control device, for each day the source is in operation;

Quarterly control device cleanings for each quarter in which the source has operated;

Monthly 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.

**V. REPORTING REQUIREMENTS.****# 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:

(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).]

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 011 [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.

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

The following are CAM related requirements:

(a) The following data will be represented as part of the CAM plan

(1) PRESSURE DROP. 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 H<sub>2</sub>O.

(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. [N/A]

(3) PREVENTATIVE MAINTENANCE. [N/A]

(4) CONTROL DEVICE CLEANING. [N/A]

(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

(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.

**SECTION D. Source Level Requirements**

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

**# 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 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 §127.511]****Monitoring and related recordkeeping and reporting requirements.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code



**SECTION D. Source Level Requirements**

§129.99 Alternative RACT proposal (RACT II).

- (a) The permittee shall perform a monthly preventative maintenance inspection of the control device and associated equipment 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 emissions-related specifications, if available, 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.

**# 015 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall perform quarterly cleaning of the mist eliminator for each quarter in which the source has operated.

**# 016 [25 Pa. Code §129.100]**

**Compliance demonstration and recordkeeping requirements.**

The permittee shall follow the CAM Plan requirements for monitoring, maintenance, and operation.

**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. \*\*\***

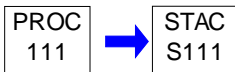
**SECTION D. Source Level Requirements**

Source ID: 111

Source Name: SLAB HEATING FURNACE 5

Source Capacity/Throughput: 230.000 MCF/HR Natural Gas  
70.000 Tons/HR STEEL

Conditions for this source occur in the following groups: RACT I - BOILERS & FURNACES  
RACT II - CASE BY CASE

**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 SO<sub>2</sub>, 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.

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall limit fuel consumption to 700,000 mcf/yr based on a consecutive 12-month period.

**II. TESTING REQUIREMENTS.****# 004 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

This requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall perform annual burner maintenance, adjusting, and testing per current permit conditions.

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

**SECTION D. Source Level Requirements**

The permittee shall maintain monthly records of the fuel consumption to each furnace.

**# 006 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

This requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall keep and maintain records of annual burner tune-ups.

**# 007 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall demonstrate compliance and maintain records as specified in Section E - RACT II - Case by Case.

**# 008 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall demonstrate compliance and maintain records as specified in Section E - RACT I Boilers & Furnaces.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 009 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The source shall be maintained and operated in accordance with the manufacturer's emissions-related specifications, if available, or in accordance with good air pollution control practices.

**# 010 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

In accordance with §129.97(c)(2), the owner and operator of a VOC air contamination source that has the potential to emit less than 2.7 TPY of VOC which is located at a major NOx emitting facility or major VOC emitting facility subject to §129.96 shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.**

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

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

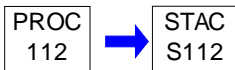
**SECTION D. Source Level Requirements**

Source ID: 112

Source Name: SLAB HEATING FURNACE 6

Source Capacity/Throughput: 210.000 MCF/HR Natural Gas  
70.000 Tons/HR STEEL

Conditions for this source occur in the following groups: RACT I - BOILERS & FURNACES  
RACT II - CASE BY CASE

**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 SO<sub>2</sub>, 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.

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall limit fuel consumption to 600,000 mcf/yr based on a consecutive 12-month period.

**II. TESTING REQUIREMENTS.****# 004 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

This requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall perform annual burner maintenance, adjusting, and testing per current permit conditions.

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

**SECTION D. Source Level Requirements**

The permittee shall maintain monthly records of the fuel consumption to each furnace.

**# 006 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

This requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall keep and maintain records of annual burner tune-ups.

**# 007 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall demonstrate compliance and maintain records as specified in Section E - RACT I Boilers & Furnaces.

**# 008 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall demonstrate compliance and maintain records as specified in Section E - RACT II - Case by Case.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 009 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The source shall be maintained and operated in accordance with the manufacturer's emissions-related specifications, if available, or in accordance with good air pollution control practices.

**# 010 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

In accordance with §129.97(c)(2), the owner and operator of a VOC air contamination source that has the potential to emit less than 2.7 TPY of VOC which is located at a major NOx emitting facility or major VOC emitting facility subject to §129.96 shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.**

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

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

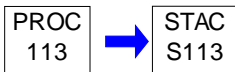
**SECTION D. Source Level Requirements**

Source ID: 113

Source Name: SLAB HEATING FURNACE 7

Source Capacity/Throughput: 210.000 MCF/HR Natural Gas  
70.000 Tons/HR STEEL

Conditions for this source occur in the following groups: RACT I - BOILERS & FURNACES  
RACT II - CASE BY CASE

**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 SO<sub>2</sub>, 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.

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall limit fuel consumption to 600,000 mcf/yr based on a consecutive 12-month period.

**II. TESTING REQUIREMENTS.****# 004 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

This requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall perform annual burner maintenance, adjusting, and testing per current permit conditions.

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

**SECTION D. Source Level Requirements**

The permittee shall maintain monthly records of the fuel consumption to each furnace.

**# 006 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

This requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall keep and maintain records of annual burner tune-ups.

**# 007 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall demonstrate compliance and maintain records as specified in Section E - RACT I Boilers & Furnaces.

**# 008 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall demonstrate compliance and maintain records as specified in Section E - RACT II - Case by Case.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 009 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The source shall be maintained and operated in accordance with the manufacturer's emissions-related specifications, if available, or in accordance with good air pollution control practices.

**# 010 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

In accordance with §129.97(c)(2), the owner and operator of a VOC air contamination source that has the potential to emit less than 2.7 TPY of VOC which is located at a major NOx emitting facility or major VOC emitting facility subject to §129.96 shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.**

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

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

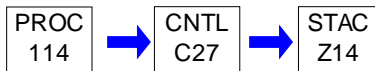


**SECTION D. Source Level Requirements**

Source ID: 114

Source Name: #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 when operating, 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 emissions-related specifications if available, 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).

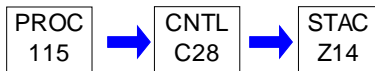
**\*\*\* Permit Shield in Effect. \*\*\***

**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 when operating, 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 emissions-related specifications if available, 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).

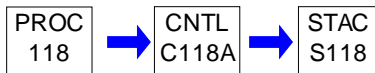
**\*\*\* Permit Shield in Effect. \*\*\***

**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

**SECTION D. Source Level Requirements**

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 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 emissions-related specifications if available, 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**

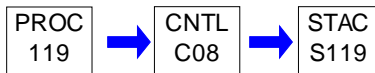
Source ID: 119

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.

**SECTION D. Source Level Requirements**

[From Plan Approval Number 10-001H, Condition #6.]

**# 005 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The source and control device shall be maintained and operated in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

[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**

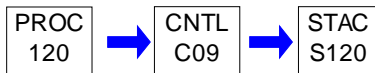
Source ID: 120

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 when operating, 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 emissions-related specifications if available, or in accordance with good air pollution control practices.

[PA: 10-001C conditions 4, 6, &amp; 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**

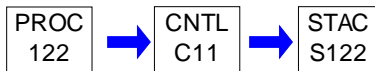
Source ID: 122

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.

**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 emissions-related specifications if available, 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**

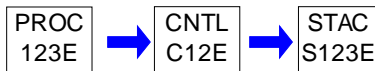
Source ID: 123E

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 emissions-related specifications if available, 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**

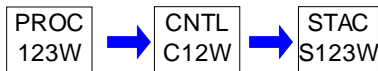
Source ID: 123W

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 emissions-related specifications if available, 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).

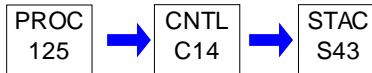
**\*\*\* Permit Shield in Effect. \*\*\***

**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.**

- 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.
- 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 §127.511]  
Monitoring and related recordkeeping and reporting requirements.**

- 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.
- 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.
- The source and control device shall be maintained and operated in accordance with the manufacturer's emissions-

**SECTION D. Source Level Requirements**

related specifications if available, or in accordance with good air pollution control practices.

[Compliance with paragraph (c) of this condition assures compliance with work practice requirement established pursuant to 25 Pa. Code § 129.93.]

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

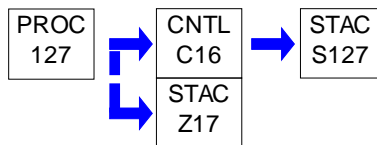
Source ID: 127

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.

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

(a) This source is subject to the provisions of Plan Approval 10-001P, the conditions of which are incorporated into this Title V permit. Any violation of the plan approval would also be deemed a violation of this Title V Operating Permit.

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

(c) This Title V permit shall not be construed to provide any independent, ongoing authority for the construction or operation of the project that is the subject of Plan Approval 10-001P, unless and until the permittee applies for, and is granted, a future administrative amendment to this Title V permit for that project, once it has been determined by the Department to have completed its respective temporary operation phase under the authority of that plan approval.

**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 §127.511]****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.****# 004 [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).



**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 maintain and operate the source in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

**# 006 [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.

**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

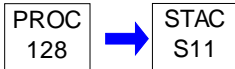
Source Name: DECARB FURNACE 1

Source Capacity/Throughput:

15.000 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: SUBPART DDDDD

**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 SO<sub>2</sub>, 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) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

**SECTION D. Source Level Requirements**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

**VII. ADDITIONAL REQUIREMENTS.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

For RACT II purposes:

- (a) Compliance with § 63.7560(b) & (c), incorporated under Source Group SUBPART DDDDD, assures compliance with the recordkeeping requirements of 25 Pa. Code § 129.100(d) & (i), respectively.
- (b) Compliance with Condition #004 for this source assures compliance with work practice requirement of 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(3).

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

**SECTION D. Source Level Requirements**

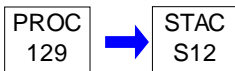
Source ID: 129

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 SO<sub>2</sub>, 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 [25 Pa. Code §129.100]

**Compliance demonstration and recordkeeping requirements.**

[§ 129.100(d) &amp; (i)]

The permittee shall keep records to demonstrate compliance with §§129.96-129.99 in the following manner:

(a) Records must include sufficient data and calculations to demonstrate that the requirements of §§129.96-129.99 are met.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**SECTION 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.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(1).]

**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

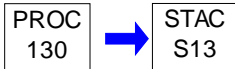
Source Name: DECARB FURNACE 6

Source Capacity/Throughput:

13.000 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: SUBPART DDDDD

**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 SO<sub>2</sub>, 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) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

**SECTION D. Source Level Requirements**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

**VII. ADDITIONAL REQUIREMENTS.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

For RACT II purposes:

(a) Compliance with § 63.6760(b) & (c), incorporated under Source Group SUBPART DDDDD in Section E of this permit, assures compliance with the recordkeeping requirements of 25 Pa. Code § 129.100(d) & (i), respectively.

(b) Compliance with Condition #004 for this source assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(3).

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

**SECTION D. Source Level Requirements**

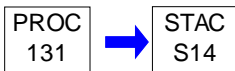
Source ID: 131

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 SO<sub>2</sub>, 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 [25 Pa. Code §129.100]

**Compliance demonstration and recordkeeping requirements.**

[§ 129.100(d) &amp; (i)]

The permittee shall keep records to demonstrate compliance with §§129.96-129.99 in the following manner:

(a) Records must include sufficient data and calculations to demonstrate that the requirements of §§129.96-129.99 are met.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**SECTION 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.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(1).]

**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**

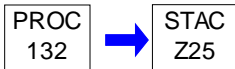
Source ID: 132

Source Name: PREHEAT FURNACE 11

Source Capacity/Throughput:

6.650 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 SO<sub>2</sub>, 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 [25 Pa. Code §129.100]

**Compliance demonstration and recordkeeping requirements.**

[§ 129.100(d) &amp; (i)]

The permittee shall keep records to demonstrate compliance with §§129.96-129.99 in the following manner:

(a) Records must include sufficient data and calculations to demonstrate that the requirements of §§129.96-129.99 are met.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**SECTION 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.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(1).]

**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**

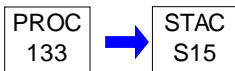
Source ID: 133

Source Name: SILICON DRYING FURNACE 11

Source Capacity/Throughput:

6.300 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 SO<sub>2</sub>, 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.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.97 (RACT II).

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 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

[§ 129.100(d) &amp; (i)]

The permittee shall keep records to demonstrate compliance with §§129.96-129.99 in the following manner:

(a) Records must include sufficient data and calculations to demonstrate that the requirements of §§129.96-129.99 are met.

(b) The records shall be retained by the owner (or operator) for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**SECTION 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.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(1) & (c)(3)]

**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**

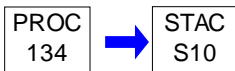
Source ID: 134

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 SO<sub>2</sub>, 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 [25 Pa. Code §129.100]

**Compliance demonstration and recordkeeping requirements.**

[§ 129.100(d) &amp; (i)]

The permittee shall keep records to demonstrate compliance with §§129.96-129.99 in the following manner:

(a) Records must include sufficient data and calculations to demonstrate that the requirements of §§129.96-129.99 are met.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**SECTION 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.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(1).]

**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**

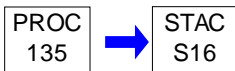
Source ID: 135

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 SO<sub>2</sub>, 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.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.97 (RACT II).

This source shall only burn natural gas.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

# 004 [25 Pa. Code §129.100]

**Compliance demonstration and recordkeeping requirements.**

[§ 129.100(d) &amp; (i)]

The permittee shall keep records to demonstrate compliance with §§129.96-129.99 in the following manner:

(a) Records must include sufficient data and calculations to demonstrate that the requirements of §§129.96-129.99 are met.

(b) The records shall be retained by the owner (or operator) for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**SECTION 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.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(3).]

**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. \*\*\***



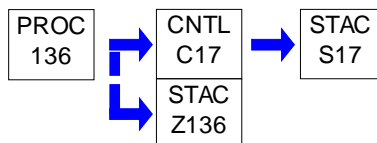
**SECTION D. Source Level Requirements**

Source ID: 136

Source Name: AOD REACTOR

Source Capacity/Throughput: 300.000 Tons/HR LIQUID STEEL

Conditions for this source occur in the following groups: #1/2 BAGHOUSE  
 CAM PLAN  
 MELT SHOP  
 MELT SHOP TESTING CONDITIONS  
 RACT II - CASE BY CASE

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

[Plan Approval 10-0010]

(a) The maximum throughput rate for the AOD shall not exceed either of the following:

- i. 300 tons of liquid steel per hour, calculated as a 24-hour average, and;
- ii. The average production rate of liquid steel during the most recent compliant stack testing plus 10% of the production rate, calculated as a 30-day rolling average.

(b) If at any time the 30-day rolling average production rate should exceed a limit established in section (a)ii. of this condition, the facility shall perform stack testing within 90 days of this exceedence in order to demonstrate compliance at this higher production rate, and establish it as a revised limit.

(c) The permittee shall follow the applicable conditions for stack testing that are in Section E - Melt Shop Testing.

(d) The allowable maximum throughput rate, shall become enforceable on the date that the stack test results are approved by the Department's stack testing section.

**II. TESTING REQUIREMENTS.****# 002 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall conduct stack testing for NOx and VOC in accordance with detailed testing requirements pursuant to current permit conditions.

**III. MONITORING REQUIREMENTS.****# 003 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall maintain and operate sources and baghouses in accordance with CAM Plan per current permit requirements.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

- (a) The permittee shall maintain, on a daily basis, records of the amount of steel refined in the AOD during a 24 hour period.
- (b) The permittee shall maintain monthly records of the amount of steel refined in the AOD as a 12-month rolling total.
- (c) The records shall be kept for a period of five years and made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

The AOD shall only be operated when the canopy hood, ductwork, fans associated with the #1/2 baghouse and the #1/2 baghouse are functioning properly.

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

[Plan Approval 10-001O]

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall operate and maintain the AOD reactor in accordance with good operating practices and good air pollution control practices.

**\*\*\* 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

Conditions for this source occur in the following groups: MELT SHOP

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

**# 001 [25 Pa. Code §129.100]**  
**Compliance demonstration and recordkeeping requirements.**

The source shall burn only natural gas.

**Throughput Restriction(s).**

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

[Plan Approval 10-001O]

The maximum annual natural gas usage for the AOD Preheater shall be 163 MMCF, calculated as a twelve month rolling period.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

[Plan Approval 10-001O]

The permittee shall maintain, on a monthly basis, records of natural gas usage in the AOD preheater. The records shall be kept for a period of five years and made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

The natural gas usage associated with the AOD preheater multiplied by the emission factors for natural gas usage will be used to determine the annual emissions from the AOD preheater.

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

[Plan Approval 10-001O]

The permittee shall install, maintain and operate a meter to measure natural gas usage of the AOD Preheater.

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

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.97 (RACT II).

The permittee shall install, operate, and maintain the source in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

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

For RACT II purposes:

(a) Compliance with recordkeeping requirements established through PA 10-001O, incorporated under Source Group MELT SHOP in Section E of this permit, assures compliance with 25 Pa. Code § 129.100(d) & (i).

(b) Compliance with Condition #005 for this source assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(1) & (c)(3).]

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

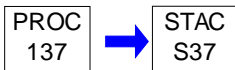
**SECTION D. Source Level Requirements**

Source ID: 137

Source Name: SLAB HEATING FURNACE 8

Source Capacity/Throughput: 210.000 MCF/HR Natural Gas  
70.000 Tons/HR STEEL

Conditions for this source occur in the following groups: RACT I - BOILERS & FURNACES  
RACT II - CASE BY CASE

**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 SO<sub>2</sub>, 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.

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall limit fuel consumption to 600,000 mcf/yr based on a consecutive 12-month period.

**II. TESTING REQUIREMENTS.****# 004 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

This requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall perform annual burner maintenance, adjusting, and testing per current permit conditions.

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

**SECTION D. Source Level Requirements**

The permittee shall maintain monthly records of the fuel consumption to each furnace.

**# 006 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

This requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall keep and maintain records of annual burner tune-ups.

**# 007 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall demonstrate compliance and maintain records as specified in Section E - RACT II - Case by Case.

**# 008 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall demonstrate compliance and maintain records as specified in Section E - RACT I Boilers & Furnaces.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 009 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall install, operate, and maintain the source in accordance with the manufacturer's emissions-related specifications, if available, or in accordance with good air pollution control practices.

**# 010 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

In accordance with 129.97(c)(2), the owner and operator of a VOC air contamination source that has the potential to emit less than 2.7 TPY of VOC, which is located at a major NOx emitting facility or major VOC emitting facility subject to § 129.96, shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 140

Source Name: #2 CONTINUOUS CASTER

Source Capacity/Throughput:	300.000 Tons/HR	CAST STEEL
	8.000 MCF/HR	Natural Gas

Conditions for this source occur in the following groups: #3 BAGHOUSE

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

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

[Plan Approval 10-001O]

Each caster shall use an annual maximum of 69 million cubic feet of natural gas, calculated as a twelve month rolling total.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

[Plan Approval 10-001O]

The permittee shall maintain, on a monthly basis, records of natural gas usage for each caster.

**# 003 [25 Pa. Code §129.100]**  
**Compliance demonstration and recordkeeping requirements.**

[§ 129.100(d) &amp; (i)]

The permittee shall keep records to demonstrate compliance with §§129.96-129.99 in the following manner:

(a) Records must include sufficient data and calculations to demonstrate that the requirements of §§129.96-129.99 are met.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

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

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 10-001O]

The permittee shall install, maintain and operate a minimum of one (1) meter to measure natural gas usage for the casters.

**# 005 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 10-001O]

The natural gas usage for each caster multiplied by the emission factors for natural gas usage will be used to determine monthly and annual emissions for these sources.

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(1).]

**VII. ADDITIONAL REQUIREMENTS.**

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

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



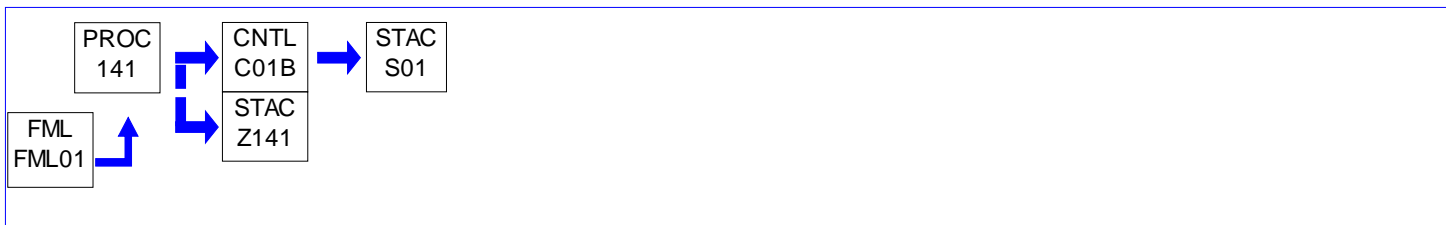
**SECTION D. Source Level Requirements**

Source ID: 141

Source Name: #3 CONTINUOUS CASTER

Source Capacity/Throughput: 300.000 Tons/HR CAST STEEL  
8.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: #3 BAGHOUSE

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

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

[Plan Approval 10-001O]

Each caster shall use an annual maximum of 69 million cubic feet of natural gas, calculated as a twelve month rolling total.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

[Plan Approval 10-001O]

The permittee shall maintain, on a monthly basis, records of natural gas usage for each caster.

**# 003 [25 Pa. Code §129.100]**  
**Compliance demonstration and recordkeeping requirements.**

[§ 129.100(d) &amp; (i)]

The permittee shall keep records to demonstrate compliance with §§129.96-129.99 in the following manner:

(a) Records must include sufficient data and calculations to demonstrate that the requirements of §§129.96-129.99 are met.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

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

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 10-001O]

The natural gas usage for each caster multiplied by the emission factors for natural gas usage will be used to determine monthly and annual emissions for these sources.

**# 005 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 10-001O]

The permittee shall install, maintain and operate a minimum of one (1) meter to measure natural gas usage for the casters.

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(1).]

**VII. ADDITIONAL REQUIREMENTS.**

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

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

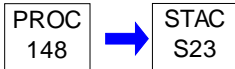
**SECTION D. Source Level Requirements**

Source ID: 148

Source Name: CRNO LINE ANNEAL FURNACE

Source Capacity/Throughput:	31.000 MCF/HR	Natural Gas
	31.000 Tons/HR	STEEL

Conditions for this source occur in the following groups: SUBPART DDDDD

**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 SO<sub>2</sub>, 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) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

# 004 [25 Pa. Code §129.100]

**Compliance demonstration and recordkeeping requirements.**

[§ 129.100(g) &amp; (i)]

(a) The owner or operator of a combustion unit subject to § 129.97(b) shall record each adjustment conducted under the procedures in § 129.97(b). This record must contain, at a minimum:

- (1) The date of the tuning procedure.
- (2) The name of the service company and the technician performing the procedure.
- (3) The final operating rate or load.
- (4) The final NO<sub>x</sub> and CO emission rates.
- (5) The final excess oxygen rate.
- (6) Other information required by the applicable operating permit.

**SECTION D. Source Level Requirements**

[Compliance with § 63.7540(a)(10), incorporated in this permit under Source Group SUBPART DDDDD in Section E, assures compliance with § 129.97(b).]

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 005 [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 emissions-related specifications if available, or in accordance with good air pollution control practices.

**VII. ADDITIONAL REQUIREMENTS.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

For RACT II purposes:

(a) Compliance with § 63.7540(a)(10), incorporated under Source Group SUBPART DDDDD in Section E of this permit, assures compliance with the work practice requirement of 25 Pa. Code § 129.97(b)(1).

(b) Compliance with an existing work practice requirement (Condition #005) assures compliance with 25 Pa. Code § 129.97(d).

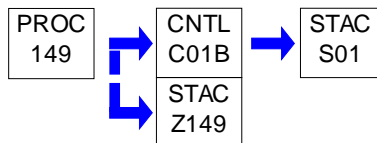
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 149

Source Name: ALLOY ADDITION &amp; STIRRING STATION

Source Capacity/Throughput: 300.000 Tons/HR STEEL

Conditions for this source occur in the following groups: #3 BAGHOUSE  
MELT SHOP**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

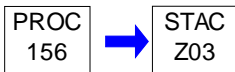
**SECTION D. Source Level Requirements**

Source ID: 156

Source Name: ANNEAL FURNACE 4

Source Capacity/Throughput:	49.000 MCF/HR	Natural Gas
	40.000 Tons/HR	STEEL

Conditions for this source occur in the following groups: RACT I - BOILERS & FURNACES  
 RACT II - CASE BY CASE

**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 SO<sub>2</sub>, 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.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The source shall burn only natural gas.

**II. TESTING REQUIREMENTS.****# 004 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

This requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall perform annual burner maintenance, adjusting, and testing as required by the Title V permit.

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

This requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall keep and maintain records of the annual burner maintenance, adjusting, and testing activities.

**SECTION D. Source Level Requirements****# 006 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall demonstrate compliance and maintain records as specified in Section E - RACT I Boilers & Furnaces.

**# 007 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall demonstrate compliance and maintain records as specified in Section E - RACT II - Case by Case.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 008 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The source shall be operated and maintained in accordance with the manufacturer's emissions-related specifications, if available, or in accordance with good air pollution control practices.

**# 009 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

In accordance with 129.97(b), the owner and operator of a source specified in this subsection, which is located at a major NOx emitting facility or major VOC emitting facility subject to §129.96 shall comply with the following:

(1) The presumptive RACT requirement for a combustion unit with a rated heat input equal to or greater than 20 million Btu/hour and less than 50 million Btu/hour, which is the performance of a biennial tune-up conducted in accordance with the procedures in 40 CFR 63.11223 (relating to how do I demonstrate continuous compliance with the work practice and management practice standards). The biennial tune-up must include, at a minimum, the following:

(i) Inspection and cleaning or replacement of fuel-burning equipment, including the burners and components, as necessary, for proper operation as specified by the manufacturer.

(ii) Inspection of the flame pattern and adjustment of the burner, as necessary, to optimize the flame pattern to minimize total emissions of NOx and, to the extent possible, emissions of CO.

(iii) Inspection and adjustment, as necessary, of the air-to-fuel ratio control system to ensure proper calibration and operation as specified by the manufacturer.

**# 010 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

In accordance with 129.97(c)(2), the owner and operator of a VOC air contamination source that has the potential to emit less than 2.7 TPY of VOC, which is located at a major NOx emitting facility or major VOC emitting facility subject to § 129.96, shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.**

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



**SECTION D. Source Level Requirements**

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



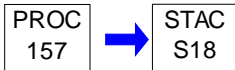
**SECTION D. Source Level Requirements**

Source ID: 157

Source Name: ANNEAL FURNACE 7

Source Capacity/Throughput:	33.000 MCF/HR	Natural Gas
	35.000 Tons/HR	STEEL

Conditions for this source occur in the following groups: RACT I - BOILERS & FURNACES  
 RACT II - CASE BY CASE  
 SUBPART DDDDD

**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 SO<sub>2</sub>, 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.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The source shall burn only natural gas.

**II. TESTING REQUIREMENTS.****# 004 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

This requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall perform annual burner maintenance, adjusting, and testing as required by the Title V permit.

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

This requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall keep and maintain records of the annual burner maintenance, adjusting, and testing activities.

**SECTION D. Source Level Requirements****# 006 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall demonstrate compliance and maintain records as specified in Section E - RACT I Boilers & Furnaces.

**# 007 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall demonstrate compliance and maintain records as specified in Section E - RACT II - Case by Case.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 008 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The source shall be operated and maintained in accordance with the manufacturer's emissions-related specifications, if available, or in accordance with good air pollution control practices.

**# 009 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

In accordance with 129.97(b), the owner and operator of a source specified in this subsection, which is located at a major NOx emitting facility or major VOC emitting facility subject to §129.96 shall comply with the following:

(1) The presumptive RACT requirement for a combustion unit with a rated heat input equal to or greater than 20 million Btu/hour and less than 50 million Btu/hour, which is the performance of a biennial tune-up conducted in accordance with the procedures in 40 CFR 63.11223 (relating to how do I demonstrate continuous compliance with the work practice and management practice standards). The biennial tune-up must include, at a minimum, the following:

(i) Inspection and cleaning or replacement of fuel-burning equipment, including the burners and components, as necessary, for proper operation as specified by the manufacturer.

(ii) Inspection of the flame pattern and adjustment of the burner, as necessary, to optimize the flame pattern to minimize total emissions of NOx and, to the extent possible, emissions of CO.

(iii) Inspection and adjustment, as necessary, of the air-to-fuel ratio control system to ensure proper calibration and operation as specified by the manufacturer.

**VII. ADDITIONAL REQUIREMENTS.**

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

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

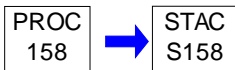
**SECTION D. Source Level Requirements**

Source ID: 158

Source Name: ANNEAL FURNACE 12

Source Capacity/Throughput: 198.000 MCF/HR Natural Gas  
70.000 Tons/HR STEEL

Conditions for this source occur in the following groups: RACT I - BOILERS & FURNACES  
RACT II - CASE BY CASE

**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 SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**# 003 [25 Pa. Code §129.99]****Alternative RACT proposal and petition for alternative compliance schedule.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The source shall burn only natural gas.

**Throughput Restriction(s).****# 004 [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.****# 005 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

This requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall perform annual burner maintenance, adjusting, and testing as required by the Title V permit.

**III. MONITORING REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

The permittee shall maintain monthly records of fuel consumption and the corresponding quarterly rolling averages.

**# 007 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

This requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall keep and maintain records of the annual burner maintenance, adjusting, and testing activities.

**# 008 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall demonstrate compliance and maintain records as specified in Section E - RACT I Boilers & Furnaces.

**# 009 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall demonstrate compliance and maintain records as specified in Section E - RACT II - Case by Case.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 010 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The source shall be operated and maintained in accordance with the manufacturer's emissions-related specifications, if available, 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) and/or Section E (Source Group Restrictions).

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

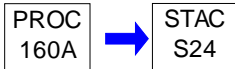
**SECTION D. Source Level Requirements**

Source ID: 160A

Source Name: MGO DRYING FURNACE

Source Capacity/Throughput:	17.000 MCF/HR	Natural Gas
	31.000 Tons/HR	STEEL

Conditions for this source occur in the following groups: SUBPART DDDDD

**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 SO<sub>2</sub>, 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) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

**SECTION D. Source Level Requirements**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

**VII. ADDITIONAL REQUIREMENTS.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

For RACT II purposes:

(a) Compliance with § 63.6760(b) & (c), incorporated under Source Group SUBPART DDDDD in Section E of this permit, assures compliance with the recordkeeping requirements of 25 Pa. Code § 129.100(d) & (i), respectively.

(b) Compliance with Condition #004 assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(3).

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

**SECTION D. Source Level Requirements**

Source ID: 161

Source Name: CARLITE LINE DRY FURNACE 20

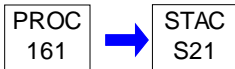
Source Capacity/Throughput:

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 SO<sub>2</sub>, 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 §129.100]

**Compliance demonstration and recordkeeping requirements.**

[§ 129.100(d) &amp; (i)]

The permittee shall keep records to demonstrate compliance with §§129.96-129.99 in the following manner:

(a) Records must include sufficient data and calculations to demonstrate that the requirements of §§129.96-129.99 are met.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**SECTION 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.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(1).]

**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. \*\*\***



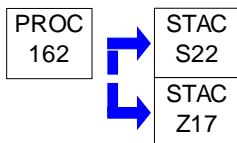
**SECTION D. Source Level Requirements**

Source ID: 162

Source Name: CARLITE LINE DRY FURNACE 26

Source Capacity/Throughput:	26.800 MCF/HR	Natural Gas
	25.000 Tons/HR	STEEL

Conditions for this source occur in the following groups: RACT I - BOILERS & FURNACES  
 RACT II - CASE BY CASE

**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 SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

(a) This source is subject to the provisions of Plan Approval 10-001P, the conditions of which are incorporated into this Title V permit. Any violation of the plan approval would also be deemed a violation of this Title V Operating Permit.

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

(c) This Title V permit shall not be construed to provide any independent, ongoing authority for the construction or operation of the project that is the subject of Plan Approval 10-001P, unless and until the permittee applies for, and is granted, a future administrative amendment to this Title V permit for that project, once it has been determined by the Department to have completed its respective temporary operation phase under the authority of that plan approval.

**Fuel Restriction(s).****# 004 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

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) and/or Section E (Source Group Restrictions).

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

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

**IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall demonstrate compliance and maintain records as specified in Section E - RACT I Boilers & Furnaces.

**# 006 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall demonstrate compliance and maintain records as specified in Section E - RACT II - Case by Case.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall maintain and operate the source in accordance with the manufacturer's emissions-related specifications, if available, or in accordance with good air pollution control practices.

[Compliance with this condition assures compliance with work practice requirement established pursuant to 25 Pa. Code § 129.93.]

**# 008 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

In accordance with 129.97(b), the owner and operator of a source specified in this subsection, which is located at a major NOx emitting facility or major VOC emitting facility subject to §129.96 shall comply with the following:

(1) The presumptive RACT requirement for a combustion unit with a rated heat input equal to or greater than 20 million Btu/hour and less than 50 million Btu/hour, which is the performance of a biennial tune-up conducted in accordance with the procedures in 40 CFR 63.11223 (relating to how do I demonstrate continuous compliance with the work practice and management practice standards). The biennial tune-up must include, at a minimum, the following:

(i) Inspection and cleaning or replacement of fuel-burning equipment, including the burners and components, as necessary, for proper operation as specified by the manufacturer.

(ii) Inspection of the flame pattern and adjustment of the burner, as necessary, to optimize the flame pattern to minimize total emissions of NOx and, to the extent possible, emissions of CO.

(iii) Inspection and adjustment, as necessary, of the air-to-fuel ratio control system to ensure proper calibration and operation as specified by the manufacturer.

(2) Not Applicable.

(3) The applicable recordkeeping requirements of § 129.100(d), (e) or (f) (relating to compliance demonstration and recordkeeping requirements).

**SECTION D. Source Level Requirements**

# 009 [25 Pa. Code §129.99]

**Alternative RACT proposal and petition for alternative compliance schedule.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

Burners associated with this source shall be equipped with Low-NOx Burner technology.

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 247

Source Name: LADLE PREHEATER/DRYER #1

Source Capacity/Throughput:

10.000 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: LADLE PREHEATER/DRYERS  
MELT SHOP

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

For RACT II purposes:

(a) Compliance with recordkeeping requirements established through PA 10-001O, incorporated under Source Group MELT SHOP in Section E of this permit, assures compliance with 25 Pa. Code § 129.100(d) & (i).

(b) Compliance with a work practice requirement established through PA 10-001O, incorporated under Source Group LADLE PREHEATER/DRYERS in Section E of this permit, assures compliance with 25 Pa. Code § 129.97(c) for sources

**SECTION D. Source Level Requirements**

meeting § 129.97(c)(1) & (c)(3).

**\*\*\* 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

Conditions for this source occur in the following groups: LADLE PREHEATER/DRYERS  
MELT SHOP

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

For RACT II purposes:

(a) Compliance with recordkeeping requirements established through PA 10-001O, incorporated under Source Group MELT SHOP in Section E of this permit, assures compliance with 25 Pa. Code § 129.100(d) & (i).

(b) Compliance with a work practice requirement established through PA 10-001O, incorporated under Source Group LADLE PREHEATER/DRYERS in Section E of this permit, assures compliance with 25 Pa. Code § 129.97(c) for sources

**SECTION D. Source Level Requirements**

meeting § 129.97(c)(1) & (c)(3).

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

**SECTION D. Source Level Requirements**

Source ID: 249

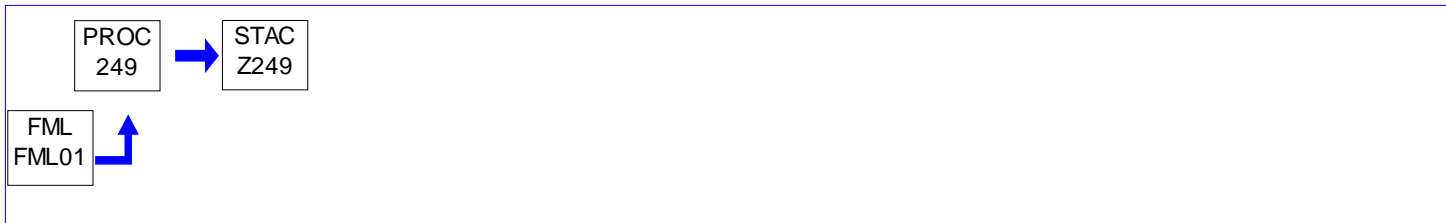
Source Name: LADLE PREHEATER/DRYER # 3

Source Capacity/Throughput:

10.000 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: LADLE PREHEATER/DRYERS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 001 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

[§ 129.100(d) &amp; (i)]

The permittee shall keep records to demonstrate compliance with §§129.96-129.99 in the following manner:

(a) Records must include sufficient data and calculations to demonstrate that the requirements of §§129.96-129.99 are met.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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



**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

For RACT II purposes:

(a) Compliance with a work practice requirement established through PA 10-001O, incorporated under Source Group LADLE PREHEATER/DRYERS in Section E of this permit, assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(1) & (c)(3).

**\*\*\* 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

Conditions for this source occur in the following groups: LADLE PREHEATER/DRYERS  
MELT SHOP

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

For RACT II purposes:

(a) Compliance with recordkeeping requirements established through PA 10-001O, incorporated under Source Group MELT SHOP in Section E of this permit, assures compliance with 25 Pa. Code § 129.100(d) & (i).

(b) Compliance with a work practice requirement established through PA 10-001O, incorporated under Source Group LADLE PREHEATER/DRYERS in Section E of this permit, assures compliance with 25 Pa. Code § 129.97(c) for sources

**SECTION D. Source Level Requirements**

meeting § 129.97(c)(1) & (c)(3).

**\*\*\* 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

Conditions for this source occur in the following groups: LADLE PREHEATER/DRYERS  
MELT SHOP

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

For RACT II purposes:

(a) Compliance with recordkeeping requirements established through PA 10-001O, incorporated under Source Group MELT SHOP in Section E of this permit, assures compliance with 25 Pa. Code § 129.100(d) & (i).

(b) Compliance with a work practice requirement established through PA 10-001O, incorporated under Source Group LADLE PREHEATER/DRYERS in Section E of this permit, assures compliance with 25 Pa. Code § 129.97(c) for sources

**SECTION D. Source Level Requirements**

meeting § 129.97(c)(3).

**\*\*\* 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

Conditions for this source occur in the following groups: LADLE PREHEATER/DRYERS  
MELT SHOP

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

For RACT II purposes:

(a) Compliance with recordkeeping requirements established through PA 10-001O, incorporated under Source Group MELT SHOP in Section E of this permit, assures compliance with 25 Pa. Code § 129.100(d) & (i).

(b) Compliance with a work practice requirement established through PA 10-001O, incorporated under Source Group LADLE PREHEATER/DRYERS in Section E of this permit, assures compliance with 25 Pa. Code § 129.97(c) for sources

**SECTION D. Source Level Requirements**

meeting § 129.97(c)(1) & (c)(3).

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

**SECTION D. Source Level Requirements**

Source ID: 254

Source Name: LADLE PREHEATER/DRYER # 9

Source Capacity/Throughput:

16.400 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: LADLE PREHEATER/DRYERS  
MELT SHOP

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

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

[Plan Approval 10-001O]

The emissions from the the Ladle Preheater/Dryer #9 shall not, at any time exceed:

- (a) CO emission standard of 84 lbs/MMCF
- (b) NOx emission standard of 100 lbs/MMCF

**Fuel Restriction(s).**

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

This source shall only burn natural gas as fuel.

**II. TESTING REQUIREMENTS.**

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

[Plan Approval 10-001O]

The permittee shall perform NOx and CO emissions testing every five (5) years using a portable analyzer approved by the Department. The Department may alter the frequency of portable analyzer tests based on the results. The Department may also waive all or parts of this requirement if the permittee demonstrates compliance, in lieu of testing, through alternate means satisfactory to the Department.

[During the 2018/2019 permit renewal, the frequency of portable analyzer test is reduced from annually to every 5 years.]

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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



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

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 10-001O]

Within 12 months after the installation of the Ladle Preheater #9 and annually thereafter, the permittee shall perform burner tune-ups and inspections on the preheater in accordance with the manufacturer's recommendations.

**VII. ADDITIONAL REQUIREMENTS.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

For RACT II purposes:

(a) Compliance with recordkeeping requirements established through PA 10-001O, incorporated under Source Group MELT SHOP in Section E of this permit, assures compliance with 25 Pa. Code § 129.100(d) & (i).

(b) Compliance with a work practice requirement established through PA 10-001O, incorporated under Source Group LADLE PREHEATER/DRYERS in Section E of this permit, assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(3).

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

**SECTION D. Source Level Requirements**

Source ID: 255

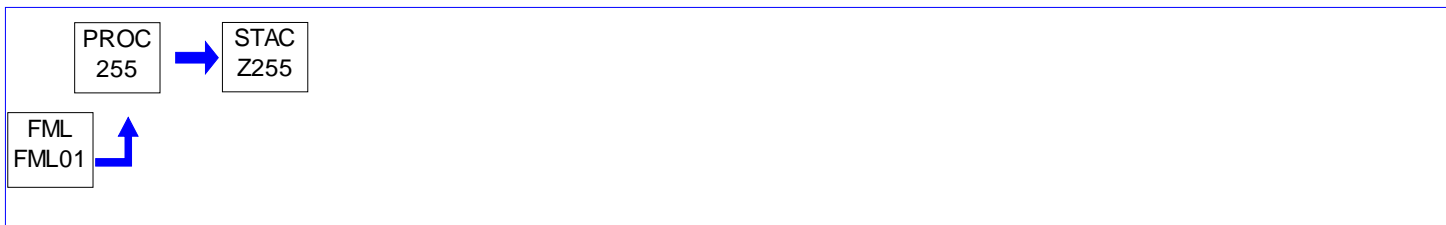
Source Name: LADLE PREHEATER/DRYER #8

Source Capacity/Throughput:

8.000 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: LADLE PREHEATER/DRYERS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 001 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

[§ 129.100(d) &amp; (i)]

The permittee shall keep records to demonstrate compliance with §§129.96-129.99 in the following manner:

(a) Records must include sufficient data and calculations to demonstrate that the requirements of §§129.96-129.99 are met.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

For RACT II purposes:

(a) Compliance with a work practice requirement established through PA 10-001O, incorporated under Source Group LADLE PREHEATER/DRYERS in Section E of this permit, assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(1) & (c)(3).

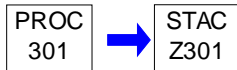
**\*\*\* Permit Shield in Effect. \*\*\***

**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.

**SECTION D. Source Level Requirements**

(C) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

(ii) Be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover.

(3) Cold cleaning machines shall be operated in accordance with the following procedures:

(i) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.

(ii) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.

(iii) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.

(iv) Air agitated solvent baths may not be used.

(v) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

(4) After December 22, 2002, a person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(5) On and after December 22, 2002, a person who sells or offers for sale any solvent containing VOCs for use in a cold cleaning machine shall provide, to the purchaser, the following written information:

(i) The name and address of the solvent supplier.

(ii) The type of solvent including the product or vendor identification number.

(iii) The vapor pressure of the solvent measured in mm hg at 20°C (68°F).

(6) A person who operates a cold cleaning machine shall maintain for at least 2 years and shall provide to the Department, on request, the information specified in paragraph (5). An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

(7) Paragraph (4) does not apply:

(i) To cold cleaning machines used in extreme cleaning service.

(ii) If the owner or operator of the cold cleaning machine demonstrates, and the Department approves in writing, that compliance with paragraph (4) will result in unsafe operating conditions.

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

(b) [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

Conditions for this source occur in the following groups: LADLE PREHEATER/DRYERS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 001 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

[§ 129.100(d) &amp; (i)]

The permittee shall keep records to demonstrate compliance with §§129.96-129.99 in the following manner:

(a) Records must include sufficient data and calculations to demonstrate that the requirements of §§129.96-129.99 are met.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

For RACT II purposes:

(a) Compliance with a work practice requirement established through PA 10-001O, incorporated under Source Group LADLE PREHEATER/DRYERS in Section E of this permit, assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(1) & (c)(3).

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



**SECTION D. Source Level Requirements**

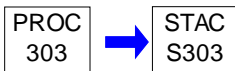
Source ID: 303

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 SO<sub>2</sub>, 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.****# 003 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

[§ 129.100(d) & (i)]

For units of Source 303 subject to RACT II, as described in Condition #005 for this source, the permittee shall keep records to demonstrate compliance with §§129.96-129.99 in the following manner:

(a) Records must include sufficient data and calculations to demonstrate that the requirements of §§129.96-129.99 are met.

(b) The records shall be retained by the owner (or operator) for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**V. REPORTING REQUIREMENTS.**

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

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

This source shall be operated and maintained in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

**VII. ADDITIONAL REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

For RACT II purposes:

(a) Natural gas-fired units of Source 303 with individual ratings above 2.25 mmbtu/hr (i.e., NO<sub>x</sub> PTE > 1 TPY), which may include but not limited to the following, are subject to RACT II presumptive requirements incorporated as paragraph (b) of this condition and Condition #003:

- (1) Tundish Preheaters (5 & 10 mmbtu/hr)
- (2) AOD Vessel Heater (9.10 mmbtu/hr)

(b) Compliance with Condition #004 of this source assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(1).

**\*\*\* 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 SO<sub>2</sub>, 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, operating limitations, and other requirements?**

(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.

**SECTION D. Source Level Requirements**

(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 are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(ii) - (iii) [Vacated]

(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]

(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,

**SECTION D. Source Level Requirements**

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 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.

**SECTION D. Source Level Requirements**

(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, operating limitations, and other requirements?**

(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

**SECTION D. Source Level Requirements**

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 Requirments]

[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 in accordance with the manufacturer's emissions-related specifications if available, or 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.

(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

**SECTION D. Source Level Requirements**

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, operating limitations, and other requirements?**

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you 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 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

For RACT II purposes:

(a) Compliance with §§ 63.6655 & 63.6660, incorporated as source-level requirements for this source, assures compliance with recordkeeping requirements pursuant to 25 Pa. Code § 129.100(d) & (i).

(b) Compliance with a work practice for this source assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(5).

**# 014 [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.



**SECTION D. Source Level Requirements**

This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

[73 FR 3603, Jan. 18, 2008]

**# 015 [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 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]

**# 016 [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.

**SECTION D. Source Level Requirements**

(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 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.

**SECTION D. Source Level Requirements**

(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;

(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]

**# 017 [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**

**SECTION D. Source Level Requirements****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.

(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]

**SECTION D. Source Level Requirements****# 018 [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]

**# 019 [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).

**# 020 [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.]

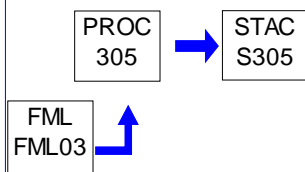
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 305

Source Name: STANDBY GENERATORS/PUMPS (DIESEL) &lt;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 SO<sub>2</sub>, 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, operating limitations, and other requirements?**

(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) - (iii) [Vacated]

(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, operating limitations, and other requirements?**

- (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 in accordance with the manufacturer's emissions-related specifications if available, or 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**

**SECTION D. Source Level Requirements****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 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, operating limitations, and other requirements?**

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you 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

**SECTION D. Source Level Requirements**

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 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

For RACT II purposes:

(a) Compliance with §§ 63.6655 & 63.6660, incorporated as source-level requirements for this source, assures compliance with recordkeeping requirements pursuant to 25 Pa. Code § 129.100(d) & (i).

(b) Compliance with a work practice for this source assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(5) & (c)(8).

**# 014 [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?**

[For contents, see VII. Additional Requirements for Source 304.]

**# 015 [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?**

[For contents, see VII. Additional Requirements for Source 304.]

**# 016 [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?**

[For contents, see VII. Additional Requirements for Source 304.]

**# 017 [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?**

[For contents, see VII. Additional Requirements for Source 304.]

**# 018 [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?**

**SECTION D. Source Level Requirements**

[Please refer to 40 CFR 63, Subpart ZZZZ, for Table 8 - General Provisions.]

**# 019 [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?**

[For contents, see VII. Additional Requirements for Source 304.]

**# 020 [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.]

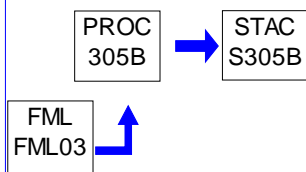
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 305B

Source Name: STANDBY GENERATOR (DIESEL) &gt;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 SO<sub>2</sub>, 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 less 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) & 129.97(c)(8).]

**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.

# 005 [25 Pa. Code §129.100]

**Compliance demonstration and recordkeeping requirements.**

[§ 129.100(d) & (i)]

The permittee shall keep records to demonstrate compliance with §§129.96-129.99 in the following manner:

**SECTION D. Source Level Requirements**

(a) Records must include sufficient data and calculations to demonstrate that the requirements of §§129.96-129.99 are met.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 006 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

This source shall be operated and maintained in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.

**VII. ADDITIONAL REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

For RACT II purposes:

(a) Compliance with a work practice for this source assures compliance with 25 Pa. Code § 129.97(c) for sources meeting § 129.97(c)(8).

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

**SECTION D. Source Level Requirements**

Source ID: 307

Source Name: PAVED &amp; 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.****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

(a) Fugitive emissions from this source shall be calculated using the traffic evaluation study, as approved by the Department on October 28, 2010.

(b) The facility shall account for the use of anti-skid material as per the procedures outlined in Chapter 13 of US EPA's AP-42 Compilation of Air Pollutant Emission Factors.

(c) This traffic evaluation study shall be re-evaluated on an annual basis.

(d) The results of all traffic evaluation studies shall be maintained on site for a minimum of five (5) years, and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

(a) In accordance with 25 Pa. Code §123.1(c), all plant entrance roads and internal plant roads must be maintained to keep fugitive emissions to a minimum. The roads shall be routinely swept or dust suppressant shall be applied on an as needed basis.

(b) Speed limits for vehicular traffic shall be posted.

**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. \*\*\***

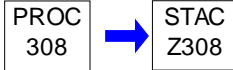


**SECTION D. Source Level Requirements**

Source ID: 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).

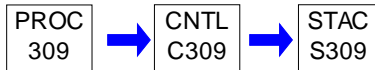
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 309

Source Name: (2) CHROMIUM REDUCTION TANKS

Source Capacity/Throughput:

**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 when operating, 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 in accordance with the manufacturer's emissions-related specifications if available, 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. \*\*\***

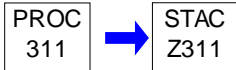


**SECTION D. Source Level Requirements**

Source ID: 311

Source Name: SCRAP CUTTING OPERATIONS

Source Capacity/Throughput:



**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. \*\*\***

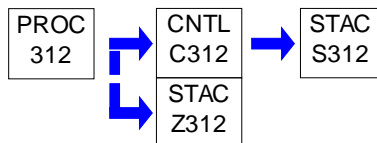
**SECTION D. Source Level Requirements**

Source ID: 312

Source Name: EAF ALLOY TRUCK DUMP

Source Capacity/Throughput:

Conditions for this source occur in the following groups: TRUCK DUMPS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

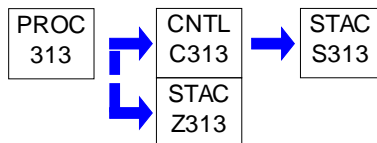
**SECTION D. Source Level Requirements**

Source ID: 313

Source Name: LMF ALLOY TRUCK DUMP

Source Capacity/Throughput:

Conditions for this source occur in the following groups: TRUCK DUMPS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

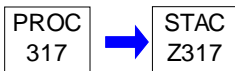
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 317

Source Name: NO. 22 COOLING TOWER

Source Capacity/Throughput: \*\*\*\*\* Gal/HR WATER

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

[Plan Approval 10-001O]

(a) The Particulate Matter (PM) from the water-cooling tower shall not exceed 5.13 tons per year on a twelve (12) month rolling sum.

(b) The total dissolved/suspended solids shall not exceed 1,200 ppm by weight in the cooling tower water, calculated as a 3-month 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.****# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

The permittee shall:

(a) monitor quarterly the total dissolved and suspended solids present in the blowdown water or recirculating water. The permittee may develop a correlation between total dissolved and suspended solids and conductivity. The permittee may request and the Department may approve a change in the method and frequency of monitoring the total dissolved and suspended solids.

(b) monitor monthly the recirculating water flow rate and

(c) calculate the Particulate Matter (PM) emissions monthly as well as twelve (12) month rolling sum by the following equation:

$$\text{PM Emissions (tpy)} = \text{Flow Rate (gpm)} \times 8.34 \text{ (lb water/gallon)} \times 0.00005 \text{ (Drift Rate)} \times (\text{TDS} + \text{TSS}) \text{ (mass fraction in water)} \times 1440 \text{ (min/day)} \times 365 \text{ (days/yr)} \times 1/2000 \text{ (tons/lb)}$$

Drift Rate = 0.005%

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

[Plan Approval 10-001O]

The permittee shall:

(a) keep a record of the total dissolved and suspended solids present in the blowdown water or recirculating water,

(b) keep records of the recirculating water flow rate

(c) keep calculations of the monthly Particulate Matter (PM) emissions as well as twelve (12) month rolling sum.

**SECTION D. Source Level Requirements**

(d) keep records on file for a minimum of five years and made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 10-001O]

- (a) The permittee shall maintain a copy of the manufacturer's specifications for the cell-cooling tower. The manufacturer's specifications for the cell-cooling tower shall be kept on site and made available to the Department upon request.
- (b) The permittee shall install, operate, and maintain the New Melt Shop Cooling Tower and associated control device in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.
- (c) The permittee shall install, maintain and operate sufficient meter(s) as needed to indicate the recirculating water flow rate
- (d) The permittee shall install, operate and maintain drift eliminators at all times the cooling tower is in operation.

**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. \*\*\***



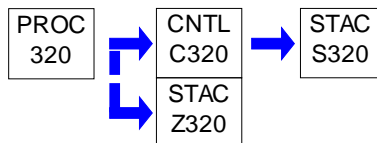
**SECTION D. Source Level Requirements**

Source ID: 320

Source Name: WEST END HOPPER HOUSE TRUCK DUMP STATION

Source Capacity/Throughput:

Conditions for this source occur in the following groups: TRUCK DUMPS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

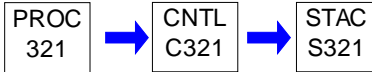
**SECTION D. Source Level Requirements**

Source ID: 321

Source Name: EAF RAW MATERIAL SILOS (3)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: STORAGE SILOS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

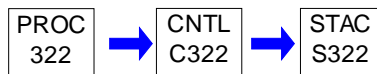
**SECTION D. Source Level Requirements**

Source ID: 322

Source Name: EAF CARBON SILOS (2)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: STORAGE SILOS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

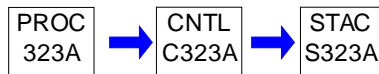
**SECTION D. Source Level Requirements**

Source ID: 323A

Source Name: EAF LIME SILO

Source Capacity/Throughput:

Conditions for this source occur in the following groups: MELT SHOP  
STORAGE SILOS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

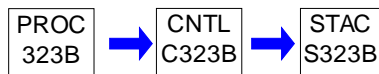
**SECTION D. Source Level Requirements**

Source ID: 323B

Source Name: EAF LIME SILO

Source Capacity/Throughput:

Conditions for this source occur in the following groups: STORAGE SILOS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

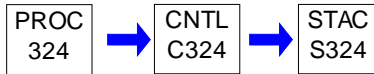
**SECTION D. Source Level Requirements**

Source ID: 324

Source Name: LMF RAW MATERIAL SILOS (2)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: STORAGE SILOS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

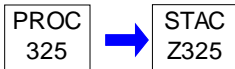
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 325

Source Name: EXISTING COOLING TOWERS (11)

Source Capacity/Throughput: \*\*\*\*\* Gal/HR WATER

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

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

[Plan Approval 10-001O]

The permittee shall:

(a) monitor quarterly the total dissolved and suspended solids present in the blowdown water or recirculating water. The permittee may develop a correlation between total dissolved and suspended solids and conductivity. The permittee may request and the Department may approve a change in the method and frequency of monitoring the total dissolved and suspended solids.

(b) calculate the Particulate Matter (PM) emissions monthly as well as twelve (12) month rolling sum by the following equation:

$$\text{PM Emissions (tpy)} = \text{Flow Rate (gpm)} \times 8.34 \text{ (lb water/gallon)} \times \text{Tower-Specific Drift Rate (fraction, 0.0 to 1.0)} \times (\text{TDS} + \text{TSS}) \text{ (mass fraction in water)} \times 1440 \text{ (min/day)} \times 365 \text{ (days/yr)} \times 1/2000 \text{ (tons/lb)}$$

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

[Plan Approval 10-001O]

The permittee shall:

- (a) keep a record of the total dissolved and suspended solids present in the blowdown water or recirculating water,
- (b) keep records of the water circulation rate
- (c) keep calculations of the monthly Particulate Matter (PM) emissions as well as twelve (12) month rolling sum.
- (d) keep records on file for a minimum of five years and made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

- (a) The permittee shall maintain a copy of the manufacturer's specifications for the cell-cooling tower on site, if available.
- (b) The permittee shall operate and maintain the cell-cooling towers in accordance with the manufacturer's emissions-related specifications if available, or in accordance with good air pollution control practices.
- (c) The permittee shall calculate the water circulation rate by means of pump performance curves, or an equivalent method as approved by the Department.

**VII. ADDITIONAL REQUIREMENTS.**

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

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



**SECTION D. Source Level Requirements**

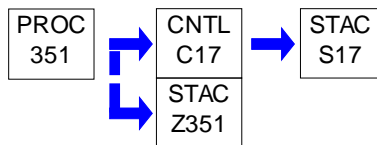
Source ID: 351

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 in accordance with the manufacturer's emissions-related specifications if available, 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).

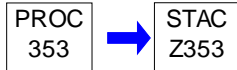
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 353

Source Name: ALLOY BIN HANDLING ACTIVITIES

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).

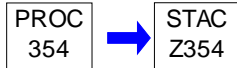
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 354

Source Name: SLAG HANDLING

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 §127.511]****Monitoring and related recordkeeping and reporting requirements.**

This source shall be operated and maintained in accordance with the manufacturer's emissions-related specifications if available, 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**

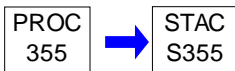
Source ID: 355

Source Name: SLAG POT PREHEATER

Source Capacity/Throughput:

6.000 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 SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

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.**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's emissions-related specifications if available, 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 E. Source Group Restrictions.**

Group Name: #1/2 BAGHOUSE

Group Description: All sources controlled by #1/2 Baghouse

Sources included in this group

ID	Name
102	ELECTRIC ARC FURNACE 2
136	AOD REACTOR

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

[Plan Approval 10-001O]

Total allowable filterable particulate matter (PM) concentration for the #1/2 Baghouse (Control #C17) shall not exceed 0.002 gr/dscf. For purposes of this limitation, PM will be measured as Method 5 (or a method approved by the Department) as filterable particulate matter.

[Compliance with this streamlined permit condition assures compliance with the provisions in 25 PA Code 123.13 and 40 CFR 60.272A (a)(1)]

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

[Plan Approval 10-001O]

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

(a) Emissions from the #1/2 Baghouse shall not exceed the following in any consecutive twelve-month rolling period:

- (1) Particulate Matter/PM10 - 12.8 tons per year
- (2) VOC - 140 tons
- (3) SOx - 30 tons

(b) Emissions shall be calculated using the average emission rate from the most recent stack test multiplied by tons of liquid steel reacted/produced during a given month. The sum of the monthly emissions for any consecutive 12-month rolling period will be used to demonstrate compliance with the above limitations.

[Paragraph (b) of this condition was added during the 2019 renewal to redefine methodology of calculating 12-month rolling emissions.]

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

[Plan Approval 10-001O]

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

Short-term emissions from the #1/2 Baghouse shall not exceed the following calculated as a 24 hour average:

- a. VOC - 0.14 lb/ton
- b. SOx - 0.03 lb/ton

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

[Plan Approval 10-001O]

**SECTION E. Source Group Restrictions.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

Upon issuance of this Title V permit, the following limits shall apply:

a. Final short-term limits for NO<sub>x</sub> and CO shall be as follows (calculated as a 24- hour average):

- i. NO<sub>x</sub> - 0.020 lb/ton
- ii. CO - 0.540 lb/ton

b. Final long-term limits for NO<sub>x</sub> and CO shall be as follows (calculated as a 12- month rolling total):

- i. NO<sub>x</sub> - 20 tpy
- ii. CO - 540 tpy

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

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

e. If multiple stack test results in non-compliance with the permit limits, the facility may submit a plan approval application to revise the emission limits. The Department reserves the right to take enforcement action based upon non-compliant emission limits.

**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 E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

**# 005 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 10-001O]

The following sources may be operated when the #1/2 and/or #3 Baghouse(s) are not in operation:

- 136A (AOD PREHEATER)
- 247 (LADLE PREHEATER/DRYER #1)
- 248 (LADLE PREHEATER/DRYER # 2)
- 250 (LADLE PREHEATER/DRYER # 4)
- 251 (LADLE PREHEATER/DRYER # 5)
- 252 (LADLE PREHEATER/DRYER # 6)
- 254 (LADLE PREHEATER/DRYER # 9)

[Although these sources are located inside the Melt Shop Building, the facility has claimed no control of emissions from these sources by C01B and/or C17 for permitting purposes.]

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



**SECTION E. Source Group Restrictions.**

Group Name: #3 BAGHOUSE

Group Description: All sources controlled by #3 Baghouse

Sources included in this group

ID	Name
101	ELECTRIC ARC FURNACE 5
102	ELECTRIC ARC FURNACE 2
107	LADLE METALURGICAL FACILITY (LMF)
140	#2 CONTINUOUS CASTER
141	#3 CONTINUOUS CASTER
149	ALLOY ADDITION & STIRRING STATION

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

[Plan Approval 10-001O]

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

(a) Emissions from the #3 Baghouse shall not exceed the following in any consecutive twelve-month rolling period:

- (1) Particulate Matter/PM10 - 38 tons.
- (2) CO - 2,000 tons
- (3) NOx - 358.75 tons
- (4) SOx - 250 tons
- (5) VOC - 90 tons

(b) Emissions shall be calculated using the average emission rate from the most recent stack test multiplied by tons of liquid steel reacted/produced during a given month. The sum of the monthly emissions for any consecutive 12-month rolling period will be used to demonstrate compliance with the above limitations.

[Paragraph (b) of this condition was added during the 2019 renewal to redefine methodology of calculating 12-month rolling emissions.]

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

[Plan Approval 10-001O]

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

Short-term emissions from the #3 Baghouse shall not exceed the following calculated as a 24 hour average:

- (a) CO - 2.0 pounds per ton of liquid steel produced
- (b) NOx - 0.35 pounds per ton of liquid steel produced when the #5 EAF is operating
- (c) NOx - 0.42 pounds per ton of liquid steel produced when the #2 EAF is operating
- (d) SOx - 0.25 pounds per of ton liquid steel produced
- (e) VOC - 0.09 pounds per ton of liquid steel produced when the #5 EAF is operating
- (f) VOC - 0.18 pounds per ton of liquid steel produced when the #2 EAF is operating

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

[Plan Approval 10-001O]

**SECTION E. Source Group Restrictions.**

Total allowable filterable particulate emission concentration for the #3 Baghouse (Control #C01B) shall not exceed 0.0018 gr/dscf. For purposes of this limitation, PM will be measured as Method 5 (or a method approved by the Department) as filterable particulate matter.

[Compliance with this streamlined permit condition assures compliance with the provisions in 25 PA Code 123.13 and 40 CFR 60.272A (a)(1)]

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.272a]****Subpart AAa - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983  
Standard for particulate matter.**

40 CFR 60.272a Standard for particulate matter.

(a) On and after the date of which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from an EAF or an AOD vessel any gases which:

(1) Exit from a control device and contain particulate matter in excess of 12 mg/dscm (0.0052 gr/dscf);

(2) Exit from a control device and exhibit 3 percent opacity or greater; and

(3) Exit from a shop and, due solely to the operations of any affected EAF(s) or AOD vessel(s), exhibit 6 percent opacity or greater.

(b) On and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from the dust-handling system any gases that exhibit 10 percent opacity or greater.

**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 60 Standards of Performance for New Stationary Sources §40 CFR 60.273a]****Subpart AAa - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983  
Emission monitoring.**

(a) Except as provided under paragraphs (b) and (c) of this section, a continuous monitoring system for the measurement of the opacity of emissions discharged into the atmosphere from the control device(s) shall be installed, calibrated, maintained, and operated by the owner or operator subject to the provisions of this subpart.

(b) No continuous monitoring system shall be required on any control device serving the dust-handling system.

(c) A continuous monitoring system for the measurement of the opacity of emissions discharged into the atmosphere from the control device(s) is not required on any modular, multi-stack, negative-pressure or positive-pressure fabric filter if observations of the opacity of the visible emissions from the control device are performed by a certified visible emission observer; or on any single-stack fabric filter if visible emissions from the control device are performed by a certified visible emission observer and the owner installs and continuously operates a bag leak detection system according to paragraph (e) of this section. Visible emission observations shall be conducted at least once per day for at least three 6-minute periods when the furnace is operating in the melting and refining period. All visible emissions observations shall be conducted in accordance with Method 9. If visible emissions occur from more than one point, the opacity shall be recorded for any points where visible emissions are observed. Where it is possible to determine that a number of visible emission sites relate to only one incident of the visible emission, only one set of three 6-minute observations will be required. In that case, the Method 9 observations must be made for the site of highest opacity that directly relates to the cause (or location)

**SECTION E. Source Group Restrictions.**

of visible emissions observed during a single incident. Records shall be maintained of any 6-minute average that is in excess of the emission limit specified in §60.272a(a).

(d) A furnace static pressure monitoring device is not required on any EAF equipped with a DEC system if observations of shop opacity are performed by a certified visible emission observer as follows: Shop opacity observations shall be conducted at least once per day when the furnace is operating in the meltdown and refining period. Shop opacity shall be determined as the arithmetic average of 24 consecutive 15-second opacity observations of emissions from the shop taken in accordance with Method 9. Shop opacity shall be recorded for any point(s) where visible emissions are observed. Where it is possible to determine that a number of visible emission sites relate to only one incident of visible emissions, only one observation of shop opacity will be required. In this case, the shop opacity observations must be made for the site of highest opacity that directly relates to the cause (or location) of visible emissions observed during a single incident.

(e) A bag leak detection system must be installed and continuously operated on all single-stack fabric filters if the owner or operator elects not to install and operate a continuous opacity monitoring system as provided for under paragraph (c) of this section. In addition, the owner or operator shall meet the visible emissions observation requirements in paragraph (c) of this section. The bag leak detection system must meet the specifications and requirements of paragraphs (e)(1) through (8) of this section.

(1) The bag leak detection system must be certified by the manufacturer to be capable of detecting particulate matter emissions at concentrations of 1 milligram per actual cubic meter (0.00044 grains per actual cubic foot) or less.

(2) The bag leak detection system sensor must provide output of relative particulate matter loadings and the owner or operator shall continuously record the output from the bag leak detection system using electronic or other means ( e.g., using a strip chart recorder or a data logger.)

(3) The bag leak detection system must be equipped with an alarm system that will sound when an increase in relative particulate loading is detected over the alarm set point established according to paragraph (e)(4) of this section, and the alarm must be located such that it can be heard by the appropriate plant personnel.

(4) For each bag leak detection system required by paragraph (e) of this section, the owner or operator shall develop and submit to the Administrator or delegated authority, for approval, a site-specific monitoring plan that addresses the items identified in paragraphs (i) through (v) of this paragraph (e)(4). For each bag leak detection system that operates based on the triboelectric effect, the monitoring plan shall be consistent with the recommendations contained in the U.S. Environmental Protection Agency guidance document Fabric Filter Bag Leak Detection Guidance (EPA-454/R-98-015). The owner or operator shall operate and maintain the bag leak detection system according to the site-specific monitoring plan at all times. The plan shall describe the following:

(i) Installation of the bag leak detection system;

(ii) Initial and periodic adjustment of the bag leak detection system including how the alarm set-point will be established;

(iii) Operation of the bag leak detection system including quality assurance procedures;

(iv) How the bag leak detection system will be maintained including a routine maintenance schedule and spare parts inventory list; and

(v) How the bag leak detection system output shall be recorded and stored.

(5) The initial adjustment of the system shall, at a minimum, consist of establishing the baseline output by adjusting the sensitivity (range) and the averaging period of the device, and establishing the alarm set points and the alarm delay time (if applicable).

(6) Following initial adjustment, the owner or operator shall not adjust the averaging period, alarm set point, or alarm delay time without approval from the Administrator or delegated authority except as provided for in paragraphs (e)(6)(i) and (ii) of this section.

**SECTION E. Source Group Restrictions.**

(i) Once per quarter, the owner or operator may adjust the sensitivity of the bag leak detection system to account for seasonal effects including temperature and humidity according to the procedures identified in the site-specific monitoring plan required under paragraphs (e)(4) of this section.

(ii) If opacities greater than zero percent are observed over four consecutive 15-second observations during the daily opacity observations required under paragraph (c) of this section and the alarm on the bag leak detection system does not sound, the owner or operator shall lower the alarm set point on the bag leak detection system to a point where the alarm would have sounded during the period when the opacity observations were made.

(7) For negative pressure, induced air baghouses, and positive pressure baghouses that are discharged to the atmosphere through a stack, the bag leak detection sensor must be installed downstream of the baghouse and upstream of any wet scrubber.

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

(f) For each bag leak detection system installed according to paragraph (e) of this section, the owner or operator shall initiate procedures to determine the cause of all alarms within 1 hour of an alarm. Except as provided for under paragraph (g) of this section, the cause of the alarm must be alleviated within 3 hours of the time the alarm occurred by taking whatever corrective action(s) are necessary. Corrective actions may include, but are not limited to, the following:

(1) Inspecting the baghouse for air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in particulate emissions;

(2) Sealing off defective bags or filter media;

(3) Replacing defective bags or filter media or otherwise repairing the control device;

(4) Sealing off a defective baghouse compartment;

(5) Cleaning the bag leak detection system probe or otherwise repairing the bag leak detection system; and

(6) Shutting down the process producing the particulate emissions.

(g) In approving the site-specific monitoring plan required in paragraph (e)(4) of this section, the Administrator or delegated authority may allow owners or operators more than 3 hours to alleviate specific conditions that cause an alarm if the owner or operator identifies the condition that could lead to an alarm in the monitoring plan, adequately explains why it is not feasible to alleviate the condition within 3 hours of the time the alarm occurred, and demonstrates that the requested additional time will ensure alleviation of the condition as expeditiously as practicable.

[49 FR 43845, Oct. 31, 1984, as amended at 54 FR 6672, Feb. 14, 1989; 64 FR 10111, Mar. 2, 1999; 70 FR 8532, Feb. 22, 2005]

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.274a]**

**Subpart AAa - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983**

**Monitoring of operations.**

(a) The owner or operator subject to the provisions of this subpart shall maintain records of the following information:

(1) All data obtained under paragraph (b) of this section; and

(2) All monthly operational status inspections performed under paragraph (c) of this section.

(b) Except as provided under paragraph (e) of this section, the owner or operator subject to the provisions of this subpart shall check and record on a once-per-shift basis the furnace static pressure (if DEC system is in use, and a furnace static pressure gauge is installed according to paragraph (f) of this section) and either: check and record the control system fan

**SECTION E. Source Group Restrictions.**

motor amperes and damper position on a once-per-shift basis; install, calibrate, and maintain a monitoring device that continuously records the volumetric flow rate through each separately ducted hood; or install, calibrate, and maintain a monitoring device that continuously records the volumetric flow rate at the control device inlet and check and record damper positions on a once-per-shift basis. The monitoring device(s) may be installed in any appropriate location in the exhaust duct such that reproducible flow rate monitoring will result. The flow rate monitoring device(s) shall have an accuracy of  $\pm 10$  percent over its normal operating range and shall be calibrated according to the manufacturer's instructions. The Administrator may require the owner or operator to demonstrate the accuracy of the monitoring device(s) relative to Methods 1 and 2 of appendix A of this part.

(c) When the owner or operator of an affected facility is required to demonstrate compliance with the standards under §60.272a(a)(3) and at any other time that the Administrator may require (under section 114 of the CAA, as amended) either: the control system fan motor amperes and all damper positions, the volumetric flow rate through each separately ducted hood, or the volumetric flow rate at the control device inlet and all damper positions shall be determined during all periods in which a hood is operated for the purpose of capturing emissions from the affected facility subject to paragraph (b) of this section. The owner or operator may petition the Administrator for reestablishment of these parameters whenever the owner or operator can demonstrate to the Administrator's satisfaction that the affected facility operating conditions upon which the parameters were previously established are no longer applicable. The values of these parameters as determined during the most recent demonstration of compliance shall be maintained at the appropriate level for each applicable period. Operation at other than baseline values may be subject to the requirements of §60.276a(c).

(d) Except as provided under paragraph (e) of this section, the owner or operator shall perform monthly operational status inspections of the equipment that is important to the performance of the total capture system (i.e., pressure sensors, dampers, and damper switches). This inspection shall include observations of the physical appearance of the equipment (e.g., presence of holes in ductwork or hoods, flow constrictions caused by dents or accumulated dust in ductwork, and fan erosion). Any deficiencies shall be noted and proper maintenance performed.

(e) The owner or operator may petition the Administrator to approve any alternative to either the monitoring requirements specified in paragraph (b) of this section or the monthly operational status inspections specified in paragraph (d) of this section if the alternative will provide a continuous record of operation of each emission capture system.

[AKS has petitioned and received approval from the Administrator for an alternative monitoring approach to demonstrate compliance with NSPS AAa requirements. In lieu of the monitoring requirements of 60.274a(b), AKS shall conduct monitoring in accordance with the alternative monitoring plan approved by the Department on January 22, 2014. See brief description in Section H. Miscellaneous of this permit.]

(f) Except as provided for under §60.273a(d), if emissions during any phase of the heat time are controlled by the use of a DEC system, the owner or operator shall install, calibrate, and maintain a monitoring device that allows the pressure in the free space inside the EAF to be monitored. The pressure shall be recorded as 15-minute integrated averages. The monitoring device may be installed in any appropriate location in the EAF or DEC duct prior to the introduction of ambient air such that reproducible results will be obtained. The pressure monitoring device shall have an accuracy of  $\pm 5$  mm of water gauge over its normal operating range and shall be calibrated according to the manufacturer's instructions.

(g) Except as provided for under §60.273a(d), when the owner or operator of an EAF controlled by a DEC is required to demonstrate compliance with the standard under §60.272a(a)(3), and at any other time the Administrator may require (under section 114 of the Clean Air Act, as amended), the pressure in the free space inside the furnace shall be determined during the meltdown and refining period(s) using the monitoring device required under paragraph (f) of this section. The owner or operator may petition the Administrator for reestablishment of the pressure whenever the owner or operator can demonstrate to the Administrator's satisfaction that the EAF operating conditions upon which the pressures were previously established are no longer applicable. The pressure determined during the most recent demonstration of compliance shall be maintained at all times when the EAF is operating in a meltdown and refining period. Operation at higher pressures may be considered by the Administrator to be unacceptable operation and maintenance of the affected facility.

(h) During any performance test required under §60.8, and for any report thereof required by §60.276a(f) of this subpart, or to determine compliance with §60.272a(a)(3) of this subpart, the owner or operator shall monitor the following information for all heats covered by the test:

(1) Charge weights and materials, and tap weights and materials;

**SECTION E. Source Group Restrictions.**

(2) Heat times, including start and stop times, and a log of process operation, including periods of no operation during testing and the pressure inside an EAF when direct-shell evacuation control systems are used;

(3) Control device operation log; and

(4) Continuous opacity monitor or Method 9 data.

[49 FR 43845, Oct. 31, 1984, as amended at 64 FR 10111, Mar. 2, 1999; 65 FR 61758, Oct. 17, 2000; 70 FR 8533, Feb. 22, 2005]

**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.**

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.276a]  
Subpart AA - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983  
Recordkeeping and reporting requirements.**

(a) Records of the measurements required in §60.274a must be retained for at least 2 years following the date of the measurement.

(b) Each owner or operator shall submit a written report of exceedances of the control device opacity to the Administrator semi-annually. For the purposes of these reports, exceedances are defined as all 6-minute periods during which the average opacity is 3 percent or greater.

(c) Operation at a furnace static pressure that exceeds the value established under §60.274a(g) and either operation of control system fan motor amperes at values exceeding  $\pm 15$  percent of the value established under §60.274a(c) or operation at flow rates lower than those established under §60.274a(c) may be considered by the Administrator to be unacceptable operation and maintenance of the affected facility. Operation at such values shall be reported to the Administrator semiannually.

(d) The requirements of this section remain in force until and unless EPA, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such State. In that event, affected sources within the State will be relieved of the obligation to comply with this section, provided that they comply with the requirements established by the State.

(e) When the owner or operator of an EAF or AOD is required to demonstrate compliance with the standard under §60.275(b)(2) or a combination of (b)(1) and (b)(2) the owner or operator shall obtain approval from the Administrator of the procedure(s) that will be used to determine compliance. Notification of the procedure(s) to be used must be postmarked at least 30 days prior to the performance test.

(f) For the purpose of this subpart, the owner or operator shall conduct the demonstration of compliance with §60.272a(a) of this subpart and furnish the Administrator a written report of the results of the test. This report shall include the following information:

(1) Facility name and address;

(2) Plant representative;

(3) Make and model of process, control device, and continuous monitoring equipment;

(4) Flow diagram of process and emission capture equipment including other equipment or process(es) ducted to the same control device;

**SECTION E. Source Group Restrictions.**

- (5) Rated (design) capacity of process equipment;
  - (6) Those data required under §60.274a(h) of this subpart;
    - (i) List of charge and tap weights and materials;
    - (ii) Heat times and process log;
    - (iii) Control device operation log; and
    - (iv) Continuous monitor or Method 9 data.
  - (7) Test dates and test times;
  - (8) Test company;
  - (9) Test company representative;
  - (10) Test observers from outside agency;
  - (11) Description of test methodology used, including any deviation from standard reference methods;
  - (12) Schematic of sampling location;
  - (13) Number of sampling points;
  - (14) Description of sampling equipment;
  - (15) Listing of sampling equipment calibrations and procedures;
  - (16) Field and laboratory data sheets;
  - (17) Description of sample recovery procedures;
  - (18) Sampling equipment leak check results;
  - (19) Description of quality assurance procedures;
  - (20) Description of analytical procedures;
  - (21) Notation of sample blank corrections; and
  - (22) Sample emission calculations.
- (g) The owner or operator shall maintain records of all shop opacity observations made in accordance with §60.273a(d). All shop opacity observations in excess of the emission limit specified in §60.272a(a)(3) of this subpart shall indicate a period of excess emission, and shall be reported to the administrator semi-annually, according to §60.7(c).
- (h) The owner or operator shall maintain the following records for each bag leak detection system required under §60.273a(e):
- (1) Records of the bag leak detection system output;
  - (2) Records of bag leak detection system adjustments, including the date and time of the adjustment, the initial bag leak detection system settings, and the final bag leak detection system settings; and
  - (3) An identification of the date and time of all bag leak detection system alarms, the time that procedures to determine

**SECTION E. Source Group Restrictions.**

the cause of the alarm were initiated, if procedures were initiated within 1 hour of the alarm, the cause of the alarm, an explanation of the actions taken, the date and time the cause of the alarm was alleviated, and if the alarm was alleviated within 3 hours of the alarm.

[49 FR 43845, Oct. 31, 1984, as amended at 54 FR 6673, Feb. 14, 1989; 64 FR 10111, Mar. 2, 1999; 65 FR 61758, Oct. 17, 2000; 70 FR 8533, Feb. 22, 2005]

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

[Plan Approval 10-0010]

The following sources may be operated when the #1/2 and/or #3 Baghouse(s) are not in operation:

- 136A (AOD PREHEATER)
- 247 (LADLE PREHEATER/DRYER #1)
- 248 (LADLE PREHEATER/DRYER # 2)
- 250 (LADLE PREHEATER/DRYER # 4)
- 251 (LADLE PREHEATER/DRYER # 5)
- 252 (LADLE PREHEATER/DRYER # 6)
- 254 (LADLE PREHEATER/DRYER # 9)

[Although these sources are located inside the Melt Shop Building, the facility has claimed no control of emissions from these sources by C01B and/or C17 for permitting purposes.]

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



**SECTION E. Source Group Restrictions.**

Group Name: CAM PLAN

Group Description: #1/2 &amp; #3 BAGHOUSE

**Sources included in this group**

ID	Name
101	ELECTRIC ARC FURNACE 5
102	ELECTRIC ARC FURNACE 2
107	LADLE METALURGICAL FACILITY (LMF)
136	AOD REACTOR

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

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

[Plan Approval 10-0010]

The following indicator ranges will be part of the CAM plan for Baghouse #3 and Baghouse #1/2:

(1) INLET PRESSURE. The inlet pressure of the control device shall be maintained between 5 and 17 inches of H<sub>2</sub>O for #3 Baghouse, and between 3 and 17 inches of H<sub>2</sub>O for #1/2 Baghouse during periods of AOD operation. The ranges may be modified within 180 days of completion of the shop modernization project, based on stack testing and operational data. An excursion will trigger an inspection, corrective action and possibly malfunction reporting.

(2) VISIBLE EMISSIONS. If visible emissions occur from more than one exhaust point, the opacity shall be recorded for any points where visible emissions are observed. 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 - [N/A]

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

[Plan Approval 10-0010]

**Data Collection Procedures**

(1) INLET PRESSURE. The permittee shall manually record the pressure reading, each and every shift that the source is operated. A hard copy of the data is to be retained for five (5) years.

(2) VISIBLE EMISSIONS. A certified visible emission observer shall manually record the results of Method 9 observations of each exhaust port associated with Baghouse #3 and Baghouse #1/2 each day that the source is in operation 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).]

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.****# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

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).]

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

[Plan Approval 10-001O]

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 from 40 CFR §64.9.]

**VI. WORK PRACTICE REQUIREMENTS.****# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

(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 H<sub>2</sub>O.
- (2) VISIBLE EMISSIONS. A certified visible emission observer shall perform daily Method 9 observations of each exhaust port associated with Baghouse #3 and Baghouse #1/2 while the source is in operation during daylight hours. Method 9 observations are to be performed at the baghouse exhaust while the source is operating 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

**SECTION E. Source Group Restrictions.****(1) INLET PRESSURE.**

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

**(2) VISIBLE EMISSIONS.** Operators and/or other qualified personnel are to be trained for Reference Method 9 observations.

**(3) PREVENTATIVE MAINTENANCE.** Qualified maintenance personnel shall perform maintenance inspections.

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

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

[Plan Approval 10-0010]

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

**SECTION E. Source Group Restrictions.**

70 or 71 permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, re-establishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

**VII. ADDITIONAL REQUIREMENTS.****# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

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 E. Source Group Restrictions.**

Group Name: LADLE PREHEATER/DRYERS

Group Description: LADLE PREHEATER/DRYERS

**Sources included in this group**

ID	Name
247	LADLE PREHEATER/DRYER #1
248	LADLE PREHEATER/DRYER # 2
249	LADLE PREHEATER/DRYER # 3
250	LADLE PREHEATER/DRYER # 4
251	LADLE PREHEATER/DRYER # 5
252	LADLE PREHEATER/DRYER # 6
254	LADLE PREHEATER/DRYER # 9
255	LADLE PREHEATER/DRYER #8
302	#7 LADLE DRYING STATION

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

[Plan Approval 10-001O]

The maximum annual natural gas usage for all the ladle preheaters combined shall be 846 MMCF, calculated as a twelve month rolling total.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

[Plan Approval 10-001O]

The permittee shall maintain, on a monthly basis, records of the total natural gas usage for all nine ladle preheater/dryers.

**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.**

[Plan Approval 10-001O]

The total natural gas usage for the ladle preheater/dryers multiplied by the emission factors for natural gas usage will be used to determine annual emissions.

**SECTION E. Source Group Restrictions.****# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

(a) The permittee shall install, maintain and operate each ladle preheater/dryer in accordance with the manufacturer's emissions-related specifications if available, or good air pollution control practices.

(b) A copy of the manufacturer's specifications for each ladle preheater/dryer, if available, shall be kept on site and made available to the Department upon request.

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

[Plan Approval 10-001O]

The permittee shall install, maintain and operate a minimum of one (1) meter to measure the combined natural gas usage for the ladle preheater/dryers.

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: MELT SHOP

Group Description: All sources in the Melt Shop

Sources included in this group

ID	Name
101	ELECTRIC ARC FURNACE 5
102	ELECTRIC ARC FURNACE 2
107	LADLE METALURGICAL FACILITY (LMF)
136	AOD REACTOR
136A	AOD PREHEATER
149	ALLOY ADDITION & STIRRING STATION
247	LADLE PREHEATER/DRYER #1
248	LADLE PREHEATER/DRYER # 2
250	LADLE PREHEATER/DRYER # 4
251	LADLE PREHEATER/DRYER # 5
252	LADLE PREHEATER/DRYER # 6
254	LADLE PREHEATER/DRYER # 9
323A	EAF LIME SILO

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

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

[Plan Approval 10-001O]

Visible fugitive emission observations shall be conducted at least once per day for at least three six-minute periods when any EAF is operating. Compliance with this limit shall be demonstrated using EPA Method 9.

Air flow direction monitoring shall be conducted a minimum of once per year, as per the facility's "Procedure for Quarterly Air Flow Direction Monitoring" dated September 27, 2010, or though equivalent methods as approved by the Department.

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

[Plan Approval 10-001O]

A record of all operating status inspections, deficiencies and proper maintenance performed as required by this permit shall be maintained on site for 5 years and made available to the Department upon request.

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

[Plan Approval 10-001O]

(a) A record of the daily visible fugitive emission observations of the melt shop shall be kept for five years and made available to the Department upon request.

(b) A record of the cause of any visible fugitive emissions from the melt shop and steps taken to eliminate visible emissions shall be kept for five years and made available to the Department upon request.

**SECTION E. Source Group Restrictions.**

(c) A record of the results of quarterly air flow direction monitoring shall be maintained on site for five years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

- (a) The permittee shall not power the #2 EAF and the #5 EAF at the same time.
- (b) The #2 EAF shall be powered only during periods when the #5 EAF is out of service due to maintenance and/or repair.
- (c) The permittee shall maintain records of all occasions when the #2 EAF is powered. These records shall, at a minimum, include the date, time, and duration of the occurrence, and the cause of the downtime of the #5 EAF.
- (d) 'Power', as used in this condition, is defined as the period of the melt cycle during which electrical power is being supplied to the furnace electrodes.

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

[Plan Approval 10-001O]

The following work practice standards shall be conducted to ensure the proper operation of the air pollution control systems in the melt shop:

- (a) Conduct normal work day (excluding weekends and holidays) inspections of each compartment of both baghouses. Isolate compartments upon discovery and repair leaking bags within 72 hours.
- (b) #2 EAF DEC
  - (1) All sections of the water cooled ductwork will be inspected quarterly and cleaned as necessary.
  - (2) Daily remote operational review of damper functionality during furnace operation.
  - (3) Quarterly maintenance inspection of the damper (external - actuator and linkage).
- (c) #2 EAF Canopy
  - (1) Daily remote operational review of damper functionality during furnace operation.
  - (2) Quarterly maintenance inspection of the damper (external - actuator and linkage).
  - (3) Daily remote check for proper canopy damper positions for melting and tapping/charging based on established norms during furnace operation.
- (d) #5 DEC
  - (1) All sections of the water cooled duct work will be inspected quarterly and cleaned as necessary.
  - (2) Daily remote operational review of damper functionality.
  - (3) Quarterly maintenance inspection of the damper (external - actuator and linkage).
- (e) #5 Canopy
  - (1) Daily remote operational review of damper functionality during furnace operation.
  - (2) Quarterly maintenance inspection of the damper (external - actuator and linkage).
  - (3) Daily check for proper canopy damper positions for melting and tapping/charging based on established norms each furnace operating day.



**SECTION E. Source Group Restrictions.****(f) LMF Hood**

- (1) Quarterly maintenance inspection of the hood.

**(g) AOD**

- (1) Scavenger duct collection adjacent to the AOD will be operational during AOD operation
- (2) Scavenger duct damper position will be checked daily for conformance to established norms
- (3) AOD Canopy damper position will be checked daily for conformance to established norms.
- (4) Quarterly maintenance inspections of canopy and scavenger dampers (external -actuator and linkage)

**(h) Capture System**

- (1) Quarterly operating status inspections of all equipment that is important to the performance of the total capture system, which includes observations of the physical appearance of the ductwork or hoods.
- (2) Identification of any holes in the ductwork or hoods, flow constrictions caused by dents or accumulated dust in the ductwork.

**(i) Melt Shop Building**

- (1) Quarterly roof maintenance inspection and repair of the melt shop building. Inspection to include identification of openings, open/leaking doors and windows located on or above the roof line, loose sheeting, monitors, roof penetrations and dust accumulation, that would cause or are evidence of possible emissions.
- (2) Any instances of visible fugitive emissions from the melt shop should be immediately investigated for cause and corrected.
- (3) During normal operation of the #2 EAF, #5 EAF, AOD, or LMF, the meltshop shall exhibit positive airflow into the melt shop building, as demonstrated by the results of the quarterly air flow monitoring.

- (j) The permittee may request in writing and the Department may approve in writing, changes in the frequency and type of inspections required in the above work practice conditions.

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

[Plan Approval 10-001O]

The #1/2 Baghouse and the #3 Baghouse shall be operated in accordance with the following standard fan amperage ranges developed during the plan approval shake-out period under plan approval 10-001O:

Fan Amps:

#1/2 Baghouse = 662-895

#3 Baghouse = 681-921

Damper positions shall be monitored and recorded on a once-per-shift basis.

**VII. ADDITIONAL REQUIREMENTS.****# 007 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

- (a) [Not Applicable - This condition was completed during the plan approval process.]

(b) The permittee shall be required to demonstrate that the requirements of subsections 123.1(a)(9) and (c) and 123.2 (relating to fugitive particulate matter) have been satisfied. Upon such demonstration, the Department will issue a determination, in writing, either as an operating permit condition, for those sources subject to permit requirements under the act, or as an order containing appropriate conditions and limitations.

(c) The permittee shall take all reasonable actions to prevent particulate matter from the Melt Shop from becoming airborne.

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

[Plan Approval 10-001O]

For purposes of calculating fugitive emissions from the melt shop, the dust collection systems associated with the #2 EAF

**SECTION E. Source Group Restrictions.**

shall provide the following minimum capture efficiencies:

	DEC	Canopy	Building/Roof Monitors	Total Capture
#2 EAF				
Melting & Blowing	90%	95%	85%	99.93%
Tapping & Charging		70%	85%	95.50%
#5 EAF				
Melting & Blowing	90%	95%	95%	99.98%
Tapping & Charging		90%	95%	99.50%
LMF		98%	95%	99.90%

**# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-0010]

For purposes of calculating fugitive emissions from the melt shop, fugitive filterable PM/PM10 from the following sources shall not exceed:

## (a) #2 EAF

- (1) Melting and Blowing - 0.0177 lb/ton
- (2) Tapping and Charging - 0.0630 lb/ton

## (b) #5 EAF

- (1) Melting and Blowing - 0.0059 lb/ton
- (2) Tapping and Charging - 0.0070 lb/ton

## (c) LMF - 0.0006 lb/ton

Fugitive filterable PM<sub>2.5</sub> from the following sources shall not exceed:

## (a) #2 EAF

- (1) Melting and Blowing - 0.0131 lb/ton
- (2) Tapping and Charging - 0.0466 lb/ton

## (b) #5 EAF

- (1) Melting and Blowing - 0.0044 lb/ton
- (2) Tapping and Charging - 0.0052 lb/ton

## (c) LMF - 0.0004 lb/ton

**# 010 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-0010]

All conditions for this source group shall be effective upon startup of EAF #5.

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

**SECTION E. Source Group Restrictions.**

Group Name: MELT SHOP TESTING CONDITIONS

Group Description: #1/2 &amp; #3 BAGHOUSE

**Sources included in this group**

ID	Name
101	ELECTRIC ARC FURNACE 5
102	ELECTRIC ARC FURNACE 2
107	LADLE METALURGICAL FACILITY (LMF)
136	AOD REACTOR

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

[Plan Approval 10-001O]

(a) If the results of a stack test, performed as required by this approval, exceed the level specified in any condition of this approval, the permittee shall take appropriate corrective actions. Within 30 days of the permittee receiving the stack test results, a written description of the corrective actions shall be submitted to the Department. The permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the permittee within 30 days, if the corrective actions taken are deficient. Within 30 days of receipt of the notice of deficiency, the permittee shall submit a description of additional corrective actions to the Department. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

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

(c) The results of emission testing may also be used by the Department to update the netting analysis and to revise emission limits, if appropriate.

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

[Plan Approval 10-001O]

All stack testing that is required by this permit at the melt shop shall be performed in accordance with the latest version of the Stack Testing Manual and the following conditions unless the permittee requests in writing and the Department approves in writing specific changes.

(a) At least ninety (90) 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.

(b) 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 at maximum normal operating conditions, as stated in the Department's Source Testing Manual. The stack tests shall be performed in accordance with the Department approved methods.

(c) Pursuant to 25 Pa. Code 139.3 at least 15 calendar days prior to commencing an emission testing program, notification

**SECTION E. Source Group Restrictions.**

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.

(d) 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.

(e) Pursuant to 40 CFR Part 63.7(g) a 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.

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

(g) The permittee shall include in the stack test report all pertinent operational data for the air contamination sources that are controlled by Baghouses 1/2 and 3 and the air pollution control system. Pertinent information appropriate to the testing being performed shall include, but not be limited to:

- (i) The type of steel produced
- (ii) Charge weights and materials
- (iii) Number of buckets added in each heat
- (iv) Tap weights and materials
- (v) Heat times, including start and stop times, and a log of process operations, including periods of no operation during testing
- (vi) Amount of natural gas used
- (vii) Amount of oxygen lanced
- (viii) Control device operation log including pressure drop across Baghouse 1/2 and pressure drop across Baghouse 3.
- (ix) Flow rate of exhaust to Baghouses 1/2 and 3.
- (x) Fan motor amperes and all damper positions to Baghouses 1/2 and 3.
- (xi) AOD throughput
- (xii) Batch times of AOD, including start and stop times, and a log of process operations, including periods of no operation during testing
- (xiii) Sulfur content of carbon injected
- (xiv) LMF throughput
- (xv) Batch times of LMF, including start and stop times, and a log of process operations, including periods of no operation during testing

(h) 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.

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

(j) Pursuant to 25 Pa. Code §§ 139.52(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 cannot be accomplished, one paper copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.), with deadlines verified through document postmarks, shall be sent to each of the

**SECTION E. Source Group Restrictions.**

following (in accordance with PADEP Source Testing Section's latest guidance dated August 17, 2018):

**CENTRAL OFFICE:**

Pennsylvania Department of Environmental Protection  
Attn: PSIMS Administrator  
P.O. Box 8468  
Harrisburg, PA 17105-8468

**NORTHWEST REGIONAL OFFICE:**

Pennsylvania Department of Environmental Protection  
Attn: Air Quality Program Manager  
230 Chestnut St.  
Meadville, PA 16335

Additionally, one electronic copy of all source test submissions shall be sent to both Central Office PSIMS Administrator and the Regional Air Quality Program Manager at the following e-mail addresses:

**CENTRAL OFFICE:**

RA-EPstacktesting@pa.gov

**NORTHWEST REGIONAL OFFICE:**

RA-EPNWstacktesting@pa.gov

(k) The permittee shall insure all federal 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.

[Part (k) insures compliance with 40 CFR 275a, 40 CFR 60.11 and 40 CFR 60.8]

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

[Plan Approval 10-001O]

(a) At a minimum, stack tests shall be performed once in each calendar year when the #5 electric arc furnace and LMF are operating to determine compliance with the CO, VOC, NO<sub>x</sub>, and SO<sub>2</sub> emission limits. Testing of the CO and NO<sub>x</sub> shall be performed simultaneously.

(b) If the production from the #2 EAF exceeds 100,000 tons in any twelve month rolling period, stack tests shall be performed when the #2 EAF is operating within 60 days to determine compliance with the CO, VOC, NO<sub>x</sub>, and SO<sub>2</sub> emission limits. The testing of the CO and NO<sub>x</sub> shall be performed simultaneously.

(c) If the production through the AOD exceeds 100,000 tons in any twelve month rolling period, stack tests shall be performed once a year on the #1/2 baghouse when the AOD is operating to determine compliance with the CO, VOC, NO<sub>x</sub>, SO<sub>2</sub> and Total Filterable Particulate Matter emission limits. Testing of the CO and NO<sub>x</sub> shall be performed simultaneously.

(d) At a minimum, stack tests shall be performed once each calendar year on #1/2 Baghouse and #3 Baghouse simultaneously when the #5 electric arc furnace, and either the LMF or AOD are operating to determine compliance with the Total Filterable Particulate emission limits. During the stack tests, opacity observations shall be conducted in accordance with U.S. EPA Reference Method 9.

(e) All stack tests shall consist of a minimum of three (3) four hour test runs utilizing a Department approved methods. At least one run shall be performed when the EAFs are producing either carbon or electric steel and using the foamy slag process. The average of the three (3) test runs shall be used to determine compliance with applicable emission limitations.

(f) After three years, the permittee may petition the Department in writing and the Department may approve in writing to amend the stack testing requirements.

**SECTION E. Source Group Restrictions.****III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: RACT I - BOILERS &amp; FURNACES

Group Description: RACT requirements for boilers and furnaces pursuant to RACT 10-001-M

**Sources included in this group**

ID	Name
111	SLAB HEATING FURNACE 5
112	SLAB HEATING FURNACE 6
113	SLAB HEATING FURNACE 7
137	SLAB HEATING FURNACE 8
156	ANNEAL FURNACE 4
157	ANNEAL FURNACE 7
158	ANNEAL FURNACE 12
162	CARLITE LINE DRY FURNACE 26

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Authority for this condition is also derived from 25 PA Code 129.93. In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

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 the technician performing the procedure
3. The final operating rate or load
4. The final CO and NOx 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).

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

Authority for this condition is also derived from 25 PA Code 129.93. In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

**SECTION E. Source Group Restrictions.**

The permittee shall perform an annual tune-up and burner maintenance. 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<sub>x</sub>, 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.

**VII. ADDITIONAL REQUIREMENTS.**

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

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



**SECTION E. Source Group Restrictions.**

Group Name: RACT II - CASE BY CASE

Group Description: Sources Subject to Alternative RACT Provisions of 129.99

Sources included in this group

ID	Name
101	ELECTRIC ARC FURNACE 5
102	ELECTRIC ARC FURNACE 2
109	#2 TANDEM COLD MILL
110	#3 TANDEM COLD MILL
111	SLAB HEATING FURNACE 5
112	SLAB HEATING FURNACE 6
113	SLAB HEATING FURNACE 7
136	AOD REACTOR
137	SLAB HEATING FURNACE 8
156	ANNEAL FURNACE 4
157	ANNEAL FURNACE 7
158	ANNEAL FURNACE 12
162	CARLITE LINE DRY FURNACE 26

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

# 001 [25 Pa. Code §129.99]

**Alternative RACT proposal and petition for alternative compliance schedule.**

In accordance with 25 Pa. Code §129.99, the permittee submitted an Alternative RACT proposal (RACT II) and the Department approved the proposed plan. The Title V permit includes conditions to ensure compliance with the Department approved Alternative RACT Plan.

**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 follow CAM plan requirements for monitoring, maintenance, and operation for all sources to which CAM plan requirements are applicable.

**IV. RECORDKEEPING REQUIREMENTS.**

# 003 [25 Pa. Code §129.100]

**Compliance demonstration and recordkeeping requirements.**

This requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall keep and maintain records of annual burner tune-ups for all sources to which annual burner tune-up requirements are applicable.

# 004 [25 Pa. Code §129.100]

**Compliance demonstration and recordkeeping requirements.**

This requirement ensures compliance with the 25 Pa. Code §129.100 Compliance Demonstration and Recordkeeping Requirements for the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall keep and maintain records and type and condition of scrap added to each batch of steel produced shall

**SECTION E. Source Group Restrictions.**

be kept on site for a period of 5 years for all sources to which scrap record requirements are applicable.

**# 005 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

(a) N/A

(b) N/A

(c) N/A

(d) The owner and operator of an air contamination source subject to this section and §§ 129.96—129.99 shall keep records to demonstrate compliance with §§ 129.96—129.99 in the following manner:

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

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

(e) Beginning with the compliance date specified in § 129.97(a), the owner or operator of an air contamination source claiming that the air contamination source is exempt from the applicable NO<sub>x</sub> emission rate threshold specified in § 129.99(b) and the requirements of § 129.97 based on the air contamination source's potential to emit shall maintain records that demonstrate to the Department or appropriate approved local air pollution control agency that the air contamination source is not subject to the specified emission rate threshold.

(f) Beginning with the compliance date specified in § 129.97(a), the owner or operator of an air contamination source claiming that the air contamination source is exempt from the applicable VOC emission rate threshold specified in § 129.99(c) and the requirements of § 129.97 based on the air contamination source's potential to emit shall maintain records that demonstrate to the Department or appropriate approved local air pollution control agency that the air contamination source is not subject to the specified emission rate threshold.

(g) N/A

(h) N/A

(i) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

Install, maintain, and operate each source in accordance with the manufacturer's specifications, if available, and/or with good air pollution control practices.

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

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall implement and follow Scrap Pollution Prevention Plan to prevent the charging of any scrap into the furnace that is heavily oiled or contains a large amount of combustible, nonmetallic, or rubber materials for all sources to which Scrap Pollution Prevention Plan requirements are applicable.

**SECTION E. Source Group Restrictions.****# 008 [25 Pa. Code §129.99]****Alternative RACT proposal and petition for alternative compliance schedule.**

In addition to the cited regulatory authority for this condition, this requirement ensures compliance with the 25 Pa. Code §129.99 Alternative RACT proposal (RACT II).

The permittee shall perform annual burner maintenance, adjusting, and testing per current permit conditions for all sources to which annual burner maintenance, adjusting, and testing requirements are applicable.

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: STORAGE SILOS

Group Description: Raw Material Handling Silos

**Sources included in this group**

ID	Name
321	EMF RAW MATERIAL SILOS (3)
322	EMF CARBON SILOS (2)
323A	EMF LIME SILO
323B	EMF LIME SILO
324	LMF RAW MATERIAL SILOS (2)

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

# 001 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Plan Approval 10-001O]

Total particulate emission concentration from the bin vent filters controlling dust from the storage silos is 0.005 grains per dry standard cubic foot. Compliance shall be indicated by compliance with the work practice 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.**

# 002 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Plan Approval 10-001O]

(a) The permittee shall perform a monthly preventive maintenance inspection of the control devices.

(b) The permittee shall operate the control devices at all times the sources is in operation.

(c) The permittee shall maintain and operate these sources and the control devices in accordance with the manufacturer's emissions-related specifications if available, or good air pollution control practices. The facility shall maintain a copy of the manufacturer's specifications on-site.

The facility will implement this requirement when the source commences operation.

**SECTION E. Source Group Restrictions.**

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

[Plan Approval 10-001O]

There shall be no visible emissions at the exhaust of the bin vent filters during normal operations.

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: SUBPART DDDDD  
 Group Description: Source Requirements  
 Sources included in this group

ID	Name
034	BOILER 10 (MP)
037A	BOILER 21 (HTP)
039	MAIN PLANT BOILER #22
128	DECARB FURNACE 1
130	DECARB FURNACE 6
148	CRNO LINE ANNEAL FURNACE
157	ANNEAL FURNACE 7
160A	MGO DRYING FURNACE

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What records must I keep?**

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

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

(2) - (3) [Not Applicable]

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

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7185, Jan. 31, 2013; 80 FR 72816, Nov. 20, 2015]

**# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****In what form and how long must I keep my records?**

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

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

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

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.****# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart DDDDD Table 9]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****Reporting Requirements**

As stated in §63.7550, you must comply with the following requirements for reports:

**YOU MUST SUBMIT A:**

Compliance report

**THE REPORT MUST CONTAIN:**

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

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

**YOU MUST SUBMIT THE REPORT:**

Annually according to the requirements in §63.7550(b).

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7205, Jan. 31, 2013; 80 FR 72830, Nov. 20, 2015]

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****How do I demonstrate initial compliance with the emission limitations, fuel specifications and work practice standards?**

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

(d) [Reserved]

(e) You must include with the Notification of Compliance Status a signed certification that either the energy assessment was completed according to Table 3 to this subpart, and that the assessment is an accurate depiction of your facility at the time of the assessment, or that the maximum number of on-site technical hours specified in the definition of energy assessment applicable to the facility has been expended.

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

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

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7174, Jan. 31, 2013; 80 FR 72811, Nov. 20, 2015]

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What notifications must I submit and when?**

(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, including all performance test results and fuel analyses, before the close of business on the 60th day following the completion of all performance test and/or other initial compliance demonstrations for all boiler or process heaters at the facility according to §63.10(d)(2). The Notification of Compliance Status report must contain all the information specified in paragraphs (e)(1) through (8) of this section, as applicable. If you are not required to conduct an initial compliance demonstration as specified in §63.7530(a), the Notification of Compliance Status must only contain the information specified in paragraphs (e)(1) and (8) of this section

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and must be submitted within 60 days of the compliance date specified at §63.7495(b).

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

(2) - (5) [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 completed the required initial tune-up for all of the boilers and process heaters covered by 40 CFR part 63 subpart DDDDD at this site according to the procedures in §63.7540(a)(10)(i) through (vi)."

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

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

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

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013; 80 FR 72814, Nov. 20, 2015]

**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]**

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

**What reports must I submit and when?**

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

[Table 9 to § 63 Subpart DDDDD is incorporated in V. Reporting Requirements for this source group as Condition #003.]

(b) Unless the EPA Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report, according to paragraph (h) of this section, by the date in Table 9 to this subpart and according to the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct subsequent annual, biennial, or 5-year tune-up according to §63.7540(a)(10), (11), or (12), respectively, and not subject to emission limits or Table 4 operating limits, you may submit only an annual, biennial, or 5-year compliance report, as applicable, as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

(1) The first semi-annual compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in §63.7495 and ending on June 30 or December 31, whichever date is the first date that occurs at least 180 days after the compliance date that is specified for your source in §63.7495. If submitting an annual, biennial, or 5-year compliance report, the first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in §63.7495 and ending on December 31 within 1, 2, or 5 years, as applicable, after the compliance date that is specified for your source in §63.7495.

(2) The first semi-annual compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each



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boiler or process heater in §63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

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

(4) Each subsequent semi-annual compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. Annual, biennial, and 5-year compliance reports must be postmarked or submitted no later than January 31.

(5) For each affected source that is subject to permitting regulations pursuant to part 70 or part 71 of this chapter, and if the permitting authority has established dates for submitting semiannual reports pursuant to 70.6(a)(3)(iii)(A) or 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established in the permit instead of according to the dates in paragraphs (b)(1) through (4) of this section.

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

(1) If the facility is subject to the requirements of a tune up you must submit a compliance report with the information in paragraphs (c)(5)(i) through (iii) of this section, (xiv) and (xvii) of this section, and paragraph (c)(5)(iv) of this section for limited-use boiler or process heater.

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

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

(xviii) [Does not apply]

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

(f) - (g) [Reserved]

(h) You must submit the reports according to the procedures specified in paragraphs (h)(1) through (3) of this section.

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

(3) You must submit all reports required by Table 9 of this subpart electronically to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX.) You must use the appropriate electronic report in CEDRI for this subpart. Instead of

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using the electronic report in CEDRI for this subpart, you may submit an alternate electronic file consistent with the XML schema listed on the CEDRI Web site (<http://www.epa.gov/ttn/chief/cedri/index.html>), once the XML schema is available. If the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate address listed in §63.13. You must begin submitting reports via CEDRI no later than 90 days after the form becomes available in CEDRI.

[78 FR 7183, Jan. 31, 2013, as amended at 80 FR 72814, Nov. 20, 2015]

**# 007 [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

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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.****# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart DDDDD Table 3]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****Work Practice Standards**

As stated in §63.7500, you must comply with the following applicable work practice standards:

IF YOUR UNIT IS:

(3) A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater

YOU MUST MEET THE FOLLOWING:

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

IF YOUR UNIT IS:

(4) An existing boiler or process heater located at a major source facility, not including limited use units

YOU MUST MEET THE FOLLOWING:

Must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table, satisfies the energy assessment requirement. A facility that operated under an energy management program developed according to the ENERGY STAR guidelines for energy management or compatible with ISO 50001 for at least one year between January 1, 2008 and the compliance date specified in §63.7495 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items a. to e. appropriate for the on-site technical hours listed in §63.7575:

(a) A visual inspection of the boiler or process heater system.

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

(c) An inventory of major energy use systems consuming energy from affected boilers and process heaters and which

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are under the control of the boiler/process heater owner/operator.

(d) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.

(e) A review of the facility's energy management program and provide recommendations for improvements consistent with the definition of energy management program, if identified.

(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.

[Other items of this table do not apply.]

[78 FR 7198, Jan. 31, 2013, as amended at 80 FR 72823, Nov. 20, 2015]

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**

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

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

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

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

[Table 3 to § 63 Subpart DDDDD is incorporated in VI. Work Practice Requirements for this source group as Condition #008.]

[Subparagraphs (i) to (iii) of § 63.7500(a)(1) do not apply.]

(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.

(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) [Does not apply]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7505]**

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

**What are my general requirements for complying with this subpart?**

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(a) You must be in compliance with the work practice standards in this subpart.

(b) [Reserved]

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

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7164, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]**

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

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

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

(e) For existing affected sources (as defined in §63.7490), you must complete the initial compliance demonstrations, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the compliance date that is specified for your source in §63.7495 and according to the applicable provisions in §63.7(a)(2) as cited in Table 10 to this subpart, except as specified in paragraph (j) of this section. You must complete an initial tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) no later than the compliance date specified in §63.7495, except as specified in paragraph (j) of this section. You must complete the one-time energy assessment specified in Table 3 to this subpart no later than the compliance date specified in §63.7495.

(f) - (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.

(k) [Does not apply. For switch subcategories (e.g., fuel switch).]

[78 FR 7164, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015]

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]**

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

**When must I conduct subsequent performance tests or fuel analyses, or tune-ups?**

(a) - (c) [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]

[78 FR 7165, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015]

**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]**

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

**SECTION E. Source Group Restrictions.****How do I demonstrate continuous compliance with the emission limitations, fuel specifications and work practice standards?**

(a) You must demonstrate continuous compliance with the work practice standards in Table 3 to this subpart according to the methods specified in 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. You must conduct the tune-up while burning the type of fuel (or fuels in case of units that routinely burn a mixture) that provided the majority of the heat input to the boiler or process heater over the 12 months prior to the tune-up. This frequency does not apply to limited-use boilers and process heaters, as defined in §63.7575, or units with continuous oxygen trim systems that maintain an optimum air to fuel ratio.

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

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

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

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

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

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

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

(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, as amended at 80 FR 72813, Nov. 20, 2015]

**SECTION E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: TRUCK DUMPS

Group Description: EAF, LMF and West End Hopper House Truck Dump

Sources included in this group

ID	Name
312	EAF ALLOY TRUCK DUMP
313	LMF ALLOY TRUCK DUMP
320	WEST END HOPPER HOUSE TRUCK DUMP STATION

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

# 001 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Plan Approval 10-001O]

Total allowable particulate emission concentration for the EAF Truck Dump, LMF Truck Dump and Wester Hopper House Truck Dump dust collector exhausts is 0.01 gr/dscf.

**II. TESTING REQUIREMENTS.**

# 002 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Plan Approval 10-001O]

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

**III. MONITORING REQUIREMENTS.**

# 003 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Plan Approval 10-001O]

The pressure drop, across each dust collector, shall be monitored on a daily basis when operating. The permittee may propose and the Department may approve a change in the monitoring frequency.

**IV. RECORDKEEPING REQUIREMENTS.**

# 004 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Plan Approval 10-001O]

The permittee shall keep daily records of the material processed at each unloading station.

# 005 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Plan Approval 10-001O]

(a) An inspection/maintenance log shall be maintained of all repairs and maintenance performed on the control devices, including bag change-out, black light testing, preventative maintenance procedures and any corrective actions taken. This log shall be kept on file for a minimum of 5 years and made available to the Department upon request.

(b) A daily log of the pressure drop across the fabric collectors shall be maintained and kept on file for a minimum of 5 years and made available to the Department upon request. The permittee may propose and the Department may approve a change in the monitoring frequency.



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

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

**VI. WORK PRACTICE REQUIREMENTS.****# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

- (a) The permittee shall perform a monthly preventive maintenance inspection of the control devices.
- (b) Black light testing shall be performed at least once in a calendar year.
- (c) The permittee shall operate the control devices at all times the sources is in operation.
- (d) The permittee shall maintain and operate these sources and the control devices in accordance with the manufacturer's emissions-related specifications if available, or good air pollution control practices. The facility shall maintain a copy of the manufacturer's specifications on-site.
- (e) The permittee may propose and the Department may approve a change in the maintenance schedule.

**# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

The truck dump dust collectors shall be operated in accordance with the following standard pressure drop ranges developed during the shake-out phase of plan approval 10-001O: 0.5 to 6.0 inches of water column.

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

[Plan Approval 10-001O]

The trucks shall be unloaded inside an enclosure, with vinyl strips at the truck entrance doors. Inside each enclosure, an evacuation duct will be situated over the dump location, and a single duct will convey the dust to that station's dust collector. The design and operation of each truck unloading station will insure a minimum capture efficiency of 75%.

**# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

- (a) Within 180 days of start-up of the Truck Dump Stations, a magnehelic gauge, or equivalent differential pressure gauge, shall be permanently installed and maintained at a conveniently readable location to indicate the pressure drop across the collector.
- (b) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale.

**VII. ADDITIONAL REQUIREMENTS.****# 010 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-001O]

The control devices for the Truck Dump Stations shall have a minimum 75 percent capture efficiency. The Department reserves the right to require verification of the capture rates. This factor shall be used to calculate particulate emissions.

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



**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description	Emission Limit	Pollutant
034	BOILER 10 (MP)	0.350 Lbs/MMBTU	PM10
		4.000 Lbs/MMBTU over any 1-hour period	SOX
037A	BOILER 21 (HTP)	400.000 PPMV	CO
		30.000 PPMV gas fuel	NOX
		90.000 PPMV #2 fuel oil	NOX
039	MAIN PLANT BOILER #22	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
040	BACKUP BOILER (HTP)	4.000 Lbs/MMBTU	SOX
		0.400 Lbs/MMBTU	TSP
052	SPACE HEATERS < 2.5 MMBTU	4.000 Lbs/MMBTU	SOX
053	2.5 MMBTU/HR < SPACEHEATERS < 10 MMBTU/HR	0.400 Lbs/MMBTU	PM10
		4.000 Lbs/MMBTU over any 1-hour period	SOX
130A	PREHEAT FURNACE #6	500.000 PPMV (dry basis)	SOX
		0.040 gr/DRY FT3	TSP
318	EMERGENCY DIESEL PUMP (340 HP)	2.000 GRAMS/HP-Hr	CO
		1.000 GRAMS/HP-Hr	Hydrocarbon
		6.900 GRAMS/HP-Hr	NOX
		0.040 gr/DRY FT3	TSP

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
101	ELECTRIC ARC FURNACE 5		
<b>Emission Limit</b>			<b>Pollutant</b>
2.000 Lbs/Tons	#5 and #2 EAF, #3 Baghouse		CO
2,000.000 Tons/Yr	#3 Baghouse		CO
0.350 Lbs/Tons	#5 EAF,#3 Baghouse		NOX
0.420 Lbs/Tons	#2 EAF,#3 Baghouse		NOX
358.750 Tons/Yr	#3 Baghouse		NOX
0.250 Lbs/Tons	,#3 Baghouse		SOX
250.000 Tons/Yr	#3 Baghouse		SOX
0.002 gr/DRY FT3	#5 and #2 EAF,#3 Baghouse		TSP
38.000 Tons/Yr	#3 Baghouse		TSP
0.090 Lbs/Tons	#5 EAF,#3 Baghouse		VOC
0.180 Lbs/Tons	#2 EAF, #3 Baghouse		VOC
90.000 Tons/Yr	#3 Baghouse		VOC
102	ELECTRIC ARC FURNACE 2		
<b>Emission Limit</b>			<b>Pollutant</b>
0.540 Lbs/Tons	#1/2 Baghouse		CO
2.000 Lbs/Tons	#5 and #2 EAF, #3 Baghouse		CO
540.000 Tons/Yr	#1/2 Baghouse		CO
2,000.000 Tons/Yr	#3 Baghouse		CO
0.020 Lbs/Tons	#1/2 Baghouse		NOX
0.350 Lbs/Tons	#5 EAF,#3 Baghouse		NOX
0.420 Lbs/Tons	#2 EAF,#3 Baghouse		NOX
20.000 Tons/Yr	#1/2 Baghouse		NOX
358.750 Tons/Yr	#3 Baghouse		NOX
0.030 Lbs/Tons	#1/2 Baghouse		SOX
0.250 Lbs/Tons	,#3 Baghouse		SOX
30.000 Tons/Yr	#1/2 Baghouse		SOX
250.000 Tons/Yr	#3 Baghouse		SOX
0.002 gr/DRY FT3	#5 and #2 EAF,#3 Baghouse		TSP
0.002 gr/DRY FT3	#1/2 Baghouse		TSP
12.800 Tons/Yr	#1/2 Baghouse		TSP
38.000 Tons/Yr	#3 Baghouse		TSP
0.090 Lbs/Tons	#5 EAF,#3 Baghouse		VOC
0.140 Lbs/Tons	#1/2 Baghouse		VOC
0.180 Lbs/Tons	#2 EAF, #3 Baghouse		VOC
90.000 Tons/Yr	#3 Baghouse		VOC
140.000 Tons/Yr	#1/2 Baghouse		VOC

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
105	SHOT BLAST 4		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3	TSP	
106E	SHOT BLAST 12 EAST		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3	TSP	
106W	SHOT BLAST 12 WEST		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3	TSP	
107	LADLE METALURGICAL FACILITY (LMF)		
<b>Emission Limit</b>		<b>Pollutant</b>	
2.000	Lbs/Tons	#5 and #2 EAF, #3 Baghouse	CO
2,000.000	Tons/Yr	#3 Baghouse	CO
0.350	Lbs/Tons	#5 EAF,#3 Baghouse	NOX
0.420	Lbs/Tons	#2 EAF,#3 Baghouse	NOX
358.750	Tons/Yr	#3 Baghouse	NOX
0.250	Lbs/Tons	,#3 Baghouse	SOX
250.000	Tons/Yr	#3 Baghouse	SOX
0.002	gr/DRY FT3	#5 and #2 EAF,#3 Baghouse	TSP
38.000	Tons/Yr	#3 Baghouse	TSP
0.090	Lbs/Tons	#5 EAF,#3 Baghouse	VOC
0.180	Lbs/Tons	#2 EAF, #3 Baghouse	VOC
90.000	Tons/Yr	#3 Baghouse	VOC
109	#2 TANDEM COLD MILL		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3	TSP	
110	#3 TANDEM COLD MILL		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3	TSP	
111	SLAB HEATING FURNACE 5		
<b>Emission Limit</b>		<b>Pollutant</b>	
500.000	PPMV	(dry basis)	SOX
0.040	gr/DRY FT3	TSP	
112	SLAB HEATING FURNACE 6		
<b>Emission Limit</b>		<b>Pollutant</b>	
500.000	PPMV	(dry basis)	SOX
0.040	gr/DRY FT3	TSP	

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description	Emission Limit	Pollutant
113	SLAB HEATING FURNACE 7	500.000 PPMV (dry basis)	SOX
		0.040 gr/DRY FT3	TSP
114	#11 CENTRO SLAB GRINDER	0.040 gr/DRY FT3	TSP
115	#12 CENTRO SLAB GRINDER	0.040 gr/DRY FT3	TSP
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	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

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor	Emission Limit	Pollutant
127	#26 CARLITE ACID CLEAN	0.040 gr/DRY FT3	PM10
128	DECARB FURNACE 1	500.000 PPMV (dry basis)	SOX
		0.040 gr/DRY FT3	TSP
129	SILICON DRYING FURNACE 1	500.000 PPMV/DRY FT3 (dry basis)	SOX
		0.040 gr/DRY FT3	TSP
130	DECARB FURNACE 6	500.000 PPMV (dry basis)	SOX
		0.040 gr/DRY FT3	TSP
131	SILICON DRYING FURNACE 6	500.000 PPMV (dry basis)	SOX
		0.040 gr/DRY FT3	TSP
132	PREHEAT FURNACE 11	500.000 PPMV (dry basis)	SOX
		0.040 gr/DRY FT3	TSP
133	SILICON DRYING FURNACE 11	500.000 PPMV (dry basis)	SOX
		0.040 gr/DRY FT3	TSP
134	PREHEAT FURNACE 19	500.000 PPMV (dry basis)	SOX
		0.040 gr/DRY FT3	TSP
135	SILICON DRYING FURNACE 19	500.000 PPMV (dry basis)	SOX
		0.040 gr/DRY FT3	TSP

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
136	AOD REACTOR		
<b>Emission Limit</b>			
0.540	Lbs/Tons	#1/2 Baghouse	CO
540.000	Tons/Yr	#1/2 Baghouse	CO
0.020	Lbs/Tons	#1/2 Baghouse	NOX
20.000	Tons/Yr	#1/2 Baghouse	NOX
0.030	Lbs/Tons	#1/2 Baghouse	SOX
30.000	Tons/Yr	#1/2 Baghouse	SOX
0.002	gr/DRY FT3	#1/2 Baghouse	TSP
12.800	Tons/Yr	#1/2 Baghouse	TSP
0.140	Lbs/Tons	#1/2 Baghouse	VOC
140.000	Tons/Yr	#1/2 Baghouse	VOC
137	SLAB HEATING FURNACE 8		
<b>Emission Limit</b>			
500.000	PPMV	(dry basis)	SOX
0.040	gr/DRY FT3		TSP
140	#2 CONTINUOUS CASTER		
<b>Emission Limit</b>			
2.000	Lbs/Tons	#5 and #2 EAF, #3 Baghouse	CO
2,000.000	Tons/Yr	#3 Baghouse	CO
0.350	Lbs/Tons	#5 EAF,#3 Baghouse	NOX
0.420	Lbs/Tons	#2 EAF,#3 Baghouse	NOX
358.750	Tons/Yr	#3 Baghouse	NOX
0.250	Lbs/Tons	,#3 Baghouse	SOX
250.000	Tons/Yr	#3 Baghouse	SOX
0.002	gr/DRY FT3	#5 and #2 EAF,#3 Baghouse	TSP
38.000	Tons/Yr	#3 Baghouse	TSP
0.090	Lbs/Tons	#5 EAF,#3 Baghouse	VOC
0.180	Lbs/Tons	#2 EAF, #3 Baghouse	VOC
90.000	Tons/Yr	#3 Baghouse	VOC
141	#3 CONTINUOUS CASTER		
<b>Emission Limit</b>			
2.000	Lbs/Tons	#5 and #2 EAF, #3 Baghouse	CO
2,000.000	Tons/Yr	#3 Baghouse	CO
0.350	Lbs/Tons	#5 EAF,#3 Baghouse	NOX
0.420	Lbs/Tons	#2 EAF,#3 Baghouse	NOX
358.750	Tons/Yr	#3 Baghouse	NOX
0.250	Lbs/Tons	,#3 Baghouse	SOX
250.000	Tons/Yr	#3 Baghouse	SOX
0.002	gr/DRY FT3	#5 and #2 EAF,#3 Baghouse	TSP
38.000	Tons/Yr	#3 Baghouse	TSP
0.090	Lbs/Tons	#5 EAF,#3 Baghouse	VOC
0.180	Lbs/Tons	#2 EAF, #3 Baghouse	VOC



**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
90.000	Tons/Yr	#3 Baghouse	VOC
148	CRNO LINE ANNEAL FURNACE		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SOX
149	ALLOY ADDITION & STIRRING STATION		
<b>Emission Limit</b>		<b>Pollutant</b>	
2.000	Lbs/Tons	#5 and #2 EAF, #3 Baghouse	CO
2,000.000	Tons/Yr	#3 Baghouse	CO
0.350	Lbs/Tons	#5 EAF,#3 Baghouse	NOX
0.420	Lbs/Tons	#2 EAF,#3 Baghouse	NOX
358.750	Tons/Yr	#3 Baghouse	NOX
0.250	Lbs/Tons	,#3 Baghouse	SOX
250.000	Tons/Yr	#3 Baghouse	SOX
0.002	gr/DRY FT3	#5 and #2 EAF,#3 Baghouse	TSP
38.000	Tons/Yr	#3 Baghouse	TSP
0.090	Lbs/Tons	#5 EAF,#3 Baghouse	VOC
0.180	Lbs/Tons	#2 EAF, #3 Baghouse	VOC
90.000	Tons/Yr	#3 Baghouse	VOC
156	ANNEAL FURNACE 4		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SOX
157	ANNEAL FURNACE 7		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SOX
158	ANNEAL FURNACE 12		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SOX
160A	MGO DRYING FURNACE		
<b>Emission Limit</b>		<b>Pollutant</b>	
500.000	PPMV		SOX
0.040	gr/DRY FT3		TSP

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor
161	CARLITE LINE DRY FURNACE 20
<b>Emission Limit</b>	
0.040	gr/DRY FT3
500.000	PPMV dry basis
<b>Pollutant</b>	
	PM10
	SOX
162	CARLITE LINE DRY FURNACE 26
<b>Emission Limit</b>	
0.040	gr/DRY FT3
500.000	PPMV dry basis
<b>Pollutant</b>	
	PM10
	SOX
254	LADLE PREHEATER/DRYER # 9
<b>Emission Limit</b>	
84.000	Lbs/MMCF
100.000	Lbs/MMCF
<b>Pollutant</b>	
	CO
	NOX
303	MISC. PROCESS HEATERS
<b>Emission Limit</b>	
500.000	PPMV (dry basis)
0.040	gr/DRY FT3
<b>Pollutant</b>	
	SOX
	TSP
304	STANDBY GENERATORS (NATURAL GAS/PROPANE)
<b>Emission Limit</b>	
0.040	gr/DRY FT3
500.000	PPMV (dry basis)
<b>Pollutant</b>	
	PM10
	SOX
305	STANDBY GENERATORS/PUMPS (DIESEL) <500 HP
<b>Emission Limit</b>	
500.000	PPMV
0.040	gr/DRY FT3
<b>Pollutant</b>	
	SOX
	TSP
305B	STANDBY GENERATOR (DIESEL) >500 HP
<b>Emission Limit</b>	
500.000	PPMV
0.040	gr/DRY FT3
<b>Pollutant</b>	
	SOX
	TSP
309	(2) CHROMIUM REDUCTION TANKS
<b>Emission Limit</b>	
0.040	gr/DRY FT3
<b>Pollutant</b>	
	TSP
312	EAF ALLOY TRUCK DUMP
<b>Emission Limit</b>	
0.010	gr/DRY FT3
<b>Pollutant</b>	
	TSP

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description	Emission Limit	Pollutant
313	LMF ALLOY TRUCK DUMP	0.010 gr/DRY FT3	TSP
317	NO. 22 COOLING TOWER	5.130 Tons/Yr	TSP
320	WEST END HOPPER HOUSE TRUCK DUMP STATION	0.010 gr/DRY FT3	TSP
321	EAF RAW MATERIAL SILOS (3)	0.005 gr/DRY FT3	TSP
322	EAF CARBON SILOS (2)	0.005 gr/DRY FT3	TSP
323A	EAF LIME SILO	0.005 gr/DRY FT3	TSP
323B	EAF LIME SILO	0.005 gr/DRY FT3	TSP
324	LMF RAW MATERIAL SILOS (2)	0.005 gr/DRY FT3	TSP
351	STEEL LADLE SLAG SKIMMING STATION	0.040 gr/DRY FT3	TSP
355	SLAG POT PREHEATER	500.000 PPMV (dry basis)	SOX
		0.040 gr/DRY FT3	TSP



**SECTION G. Emission Restriction Summary.**

**Site Emission Restriction Summary**

Emission Limit	Pollutant
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**SECTION H. Miscellaneous.**

(a) The Capacity/Hour numbers listed in Section A. Site Inventory List and provided in Section D of this permit for individual sources are for informational purposes only and are not to be considered enforceable limits. Enforceable emission limits are listed in the Restrictions sections in Section D for each source and Section E for each source groups. They are also summarized for informational purposes only in Section G of this permit.

(b) For the purpose of this permit:

(1) Source ID: 305 - Standby Generators (Diesel) consists of the following:

- (1.1) Sawmill Run Pump House (472 horsepower diesel pump)
- (1.2) Hilltop Mill Water Supply (120 horsepower diesel pump)
- (1.3) #17 Cooling Tower (310 horsepower diesel pump)

(2) Source ID: 305B - Wastewater Treatment Plant (830 horsepower diesel generator). Prior 2013 renewal, this was included under Source 305.

(3) 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) Emission factors developed during the initial performance test for each source.

(1) Source 118 (#4 Pickle Line):

- (1.1) PM: 0.22 lbs/hr 0.02 lbs/ton
- (1.2) NOx: 0.2 lbs/hr 0.02 lbs/ton
- (1.3) HF: 0.16 lbs/hr 0.01 lbs/ton
- (1.4) H<sub>2</sub>SO<sub>4</sub>: 0.28 lbs/hr 0.02 lbs/ton

(2) Source 120 (#12 Pickle Line):

- (2.1) PM: 0.083 lbs/hr 0.00150 lbs/ton
- (2.2) NOx: 0.073 lbs/hr 0.00132 lbs/ton
- (2.3) HF: 0.049 lbs/hr 0.00089 lbs/ton
- (2.4) HCl: 0.130 lbs/hr 0.00235 lbs/ton

(d) The following sources have minor emissions and no applicable emission, testing, monitoring, recordkeeping or reporting requirements (i.e., the numbers/letters not included are noted as blank in the previous permit prior the 2018 renewal or no longer applicable as per facility):

(4) Process Welding on Anneal & Pickle lines

(5) Above Ground Storage Tanks

- (b) Hydrofluoric acid (North Processing) (2 @ 11,700 gallons)
- (c) Hydrochloric acid (North Processing) (2 @ 18,700 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)
- (r) Waste rolling oil (#3 Tandem Mill @ CM) (10,000 gallons)
- (s) Waste oil (Truck shop) (580 gallons)
- (t) Waste oil (New MPAN) (5,000 gallons)
- (u) Sulfuric acid (North Processing) (2 @ 18,700 gallons)
- (aa) Carlite (Hilltop Processing) (6,000 gallons)
- (gg) Trt. Chemicals (#17 Cooling Tower) (565 gallons)
- (ii) Sulfuric acid (5,200 gallons)
- (jj) Sodium Hydroxide (10,700 gallons)
- (ll) Polymer (WWTP) (2 @ 1,500 gallons)
- (mm) Koliquid (Stain. Processing) (9,000 gallons)
- (nn) Small Aboveground Storage Tanks (approx. 25)
- (oo) Hot Strip Mill Basement Oil Storage
- (qq) Kerosene Storage Tank (500 gallons)

**SECTION H. Miscellaneous.**

- (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 CrO<sub>3</sub> emissions for all 5 tanks combined)
    - (tt) Sulfuric acid (#6 Sludge Bed) (1,100 gallons)
    - (uu) Sulfuric acid (MS #22 CT) (400 gallons)
    - (w) Sulfuric acid (#4 Pit) (2 @ 2,550 gallons) - PVS
  - (6) Wastewater Treatment (North Processing) (MPAN)
  - (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)
  - (14) Diesel Underground Storage Tank (1 @ 10,000 gallons)
  - (16) Scrap handling
  - (18) Storage Piles:
    - (a) Processed and unprocessed Slag
    - (b) Coke Breeze
    - (c) Mill Scale
  - (20) Electrostatic Oil Sprays on Anneal & Pickle lines
  - (21) EAF Dust Handling (#1-2 Baghouse & #3 Baghouse)
  - (23) Hot Strip Mill
  - (24) Magnesia Scrubbers (2) (Silicon and Hilltop Processing)
  - (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
  - (33) Wasterwater Treatment Plant (WWTP)
- (e) Permit History
- (1) This Operating Permit No. 10-00001 was originally issued on January 22, 1999, effective on January 31, 1999, and expires on January 31, 2004.
  - (2) 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).
  - (3) Revision No. 2, issued on May 10, 2000, was an administrative amendment for incorporating plan approval (10-307-040A) conditions for revising the opacity limitation (AOL) for Source 110.
  - (4) 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.
  - (5) 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.
  - (6) Renewed on March 11, 2005.
  - (7) Amended on August 1, 2005.
  - (8) Administratively amended on February 13, 2006, to document a change of the Responsible Official.
  - (9) Modified on May 22, 2008 to adjust CAM requirements for Source 136.
  - (10) Renewed on September 4, 2013.
  - (11) Administratively amended on August 26, 2016 to incorporate the requirements of plan approval 10-001O.
  - (12) Renewed on January 29, 2019.
- (f) For RACT II purposes, the following sources are not subject to RACT II pursuant to § 129.96(c).
- (1) NO<sub>x</sub> and VOC PTEs less than 1 TPY: Sources 052, 301
  - (2) Do not emit NO<sub>x</sub> nor VOC: Sources 105, 106E, 106W, 107, 114, 115, 118, 119, 120, 122, 123E, 123W, 125, 127, 149, 307, 308, 309, 312, 313, 317, 320, 321, 322, 323A, 323B, 324, 325, 351, 351, 354

(g) Other information

**SECTION H. Miscellaneous.**

(1) The heat input ratings for sources burning natural gas can be estimated from natural gas usage using the following conversion:

$$1 \text{ mmbtu/hr} = 1 \text{ mcf/hr}$$

(2) Condition #'s for GP-1 requirements (Source 037A) included in this Title V operating permit do not reflect the current version of the general permit (GP-1).

(h) § 60.274a (e), Alternative Monitoring

The Department approved the alternative monitoring approach proposed by AK Steel Butler Works in lieu of § 60.274a(b). As per approved alternative monitoring, the facility will conduct six (6) 6-minute Method 9 visual observations encompassing process (i.e., melting, refining) & fugitive (i.e., charging, slagging, tapping) emissions; and monitor & maintain records of fan motor amperage & damper positions (i.e., no permit limits will be established) on a once-per-shift basis.

For complete details on the approved & enforceable alternative monitoring approach, see approval letter dated January 22, 2014 and request letter dated December 11, 2013. (Section H. Miscellaneous of the operating permit is for informational purposes only & not enforceable)



\*\*\*\*\* End of Report \*\*\*\*\*

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