COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date:	November 30, 2021	Effective Date:	February 15, 2024
Revision Date:	February 15, 2024	Expiration Date:	November 30, 2026
Revision Type:	Modification, Significant		

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

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

TITLE V Permit No: 67-05001

Federal Tax Id - Plant Code: 23-0380777-1

Owner Information

Name: MAGNESITA REFRACTORIES CO
Mailing Address: 425 S SALEM CHURCH RD
YORK, PA 17408-5955

Plant Information

Plant: MAGNESITA REFRACTORIES/YORK
Location: 67 York County 67963 West Manchester Township
SIC Code: 3297 Manufacturing - Nonclay Refractories

Responsible Official

Name: CHARLES GLATFELTER
Title: HEAD OF YORK PLANTS
Phone: (717) 804 - 7302 Email: Charles.Glatfelter@rhimagnesita.com

Permit Contact Person

Name: LEANN CAVINESS
Title: HSE MANAGER
Phone: (443) 623 - 8556 Email: leann.caviness@rhimagnesita.com

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

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SECTION A. Table of Contents

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput		Fuel/Material
006	COLD CLEANING STATIONS (DEGREASERS)			
101	DRILLING	1.000	Tons/HR	
1015A	GRIZZLY FEEDER			
1017A	JAW CRUSHER			
1018	PRIMARY CRUSHER CONVEYOR			
1029A	SINGLE PRIMARY SCREENER			
103	DRYER AREA FUGITIVE EMISSIONS			
1030	MMD CRUSHER (SECONDARY CRUSHER)			
1031	SECONDARY CRUSHER CONVEYOR			
104	PELLET PLANT FUGITIVE EMISSIONS			
105	PLANT HAUL ROADS			
106	PLANT STORAGE PILES			
1066	GRINDING PLANT			
110	EMERGENCY GENERATORS			
1130	BINS 35 A & B			
1170	MEAL BIN AREA TRIPPER CONVEYOR			
1176	OTHER DRYER SYSTEM SCREENERS			
1198	BUCKET ELEVATOR NO 8			
1275	MIDWESTERN 5-DECK VIBRATORY SCREEN			
1288	BIN 36 SYSTEM			
1366	COAL ELEVATOR	60.000	Tons/HR	COAL
1711	DRYER SYSTEM SCREENER			
1716	BRADLEY MILL			
1724	PRODUCT BIN			
1751	PA CRUSHER			
1756	DRYER SYSTEM SCREENER			
402	DOLOMITE CONVEYOR	85.000	Tons/HR	DOLOMITE
		2.000	Tons/HR	RECYCLED REFRACTOR
405	NUMBER 1 ROTARY KILN (WITH O2)	1.000	Tons/HR	RECYCLED REFRACTOR
		14.000	Tons/HR	BURNED DOLOMITE
		12,000.000	Lbs/HR	Bituminous
		600.000	Gal/HR	#2 Oil
		160,000.000	MCF/HR	Natural Gas
		12,000.000	Lbs/HR	PET COKE
407	NO. 1 KILN BURNT DOLOMITE COOLER	14.000	Tons/HR	BURNED DOLOMITE
		1.000	Tons/HR	RECYCLED REFRACTOR
415	NUMBER 2 ROTARY KILN (WITH O2)	1.000	Tons/HR	RECYCLED REFRACTOR
		23.000	Tons/HR	BURNED DOLOMITE
		13,400.000	Lbs/HR	Bituminous
		600.000	Gal/HR	#2 Oil
		160.000	MCF/HR	Natural Gas

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput		Fuel/Material
		13,400.000	Lbs/HR	PETRO COKE
417	NO. 2 KILN BURNT DOLOMITE COOLER	23.000	Tons/HR	DEADBURN DOLOMT
		1.000	Tons/HR	RECYCLED REFRACTOR
430	OLD SIZING PLANT OPERATIONS	36.500	Tons/HR	BURNED DOLOMITE
500	HPS PROCESSING	30.000	Tons/HR	BG & MAGNST
520	HPS DISTRIBUTION AND STORAGE	30.000	Tons/HR	BG AND MGNST
550	HPS NO. 1 BALL MILL	3.500	Tons/HR	DB DLMT & MGNST
560	HPS NO. 2 BALL MILL	3.800	Tons/HR	DB DLMT & MGNST
570	HPS NO. 3 BALL MILL	6.500	Tons/HR	DB DLMT & MGNST
575	MAGNESITE SIZING PLANT	30.000	Tons/HR	MAGNESITE/DOLOMITE
580	SPECIALTIES PLANT	30.000	Tons/HR	REFRACTORY
585	SPECIALTIES MAGNESITE LOADOUT	201.000	Tons/HR	MAGNESITE/DOLOMITE
610	EC BICKLEY PERIODIC KILN	100.000	Lbs/HR	REFRACTORY
		10.000	MCF/HR	Natural Gas
		110.000	Gal/HR	Propane
640	EC YORKAIRE OVEN	1,200.000	Lbs/HR	REFRACTORY
		2.500	MCF/HR	Natural Gas
		27.500	Gal/HR	Propane
710	BATCH TOWER RCVNG DBCA	90.000	Tons/HR	DOLOMITE/MAGNESITE
720	BRICK CRUSHER	5.000	Tons/HR	BRICKS
730A	PNEUMATIC CONV.- MAGNESITE	15.000	Tons/HR	BRN DOLOMT/ MGS
730B	PNEUMATIC CONV.- DOLOMITE	15.000	Tons/HR	BRN DOLOMT/MGS
7710	PELLET PLANT DRYER	4.600	MCF/HR	Natural Gas
7714	OTHER PELLET SYSTEM SOURCES			
801	CURING OVEN	55.000	Gal/HR	Propane
		5.000	MCF/HR	Natural Gas
		15.000	Tons/HR	REFRACTORY
8050	DRYER	27.000	MCF/HR	Natural Gas
8057	NO 5 BALL MILL			
810	TUNNEL KILN #5	197.000	Gal/HR	Propane
		4.500	Tons/HR	FIRED REFRACTORY
		18.000	MCF/HR	Natural Gas
820	TUNNEL KILN #6	218.000	Gal/HR	Propane
		4.500	Tons/HR	FIRED REFRACTORY
		20.000	MCF/HR	Natural Gas
830	BICKLEY PERIODIC KILN	426.000	Gal/HR	Propane
		1,200.000	Lbs/HR	FIRED REFRACTRY
		39.000	MCF/HR	Natural Gas
855	REFRACTORY STRIPING	1.000	Gal/HR	SOLVENT
C101	WATER TRUCK			
C102	WATER SUPPRESSION SYSTEM			

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
C1470	SIZING PLANT BAGHOUSE		
C1690	NO. 2 KILN BAGHOUSE		
C16A	#1 BALL MILL CLASSIFIER		
C1708	MIDWEST COLLECTOR		
C1717	MIDWEST COLLECTOR		
C1736	FULLER 304-C12		
C1767	FULLER 302-C12		
C18A	#2 BALL MILL CLASSIFIER		
C1921	BIN 36 SYSTEM DUST COLLECTOR		
C1964	NO. 1 KILN BAGHOUSE		
C400	NO. 1 KILN SETTLING CHAMBER		
C402	FEED END DUST COLLECTOR		
C7083	NO. 1 BALL MILL BAGHOUSE		
C7185	NO. 2 BALL MILL BAGHOUSE		
C72	BP SCIENTIFIC BAGHOUSE		
C7200	HPS PROCESS MIKROPUL BAGHOUSE		
C7260	HPS DISTRIBUTION & STORAGE BAGHOUSE		
C73	BP MAGNESITE PNEUMATIC CONVEYING BAGHOUSE		
C74	BP DOLOMA PNEUMATIC CONVEYING BAGHOUSE		
C7474	SPECIALTIES TORIT BAGHOUSE		
C7652	SIZING PLANT BAGHOUSE		
C7673	SPECIALTIES MAGNESITE LOADOUT BAGHOUSE		
C7744	MAC 120LST100		
C7748	MAC 144LST144		
C7833	NO. 3 BALL MILL BAGHOUSE "B"		
C7836	NO. 3 BALL MILL BAGHOUSE "A"		
C81	OVEN INCINERATOR		
C83	BICKLEY INCINERATOR		
C84	KILN INCINERATOR		
C8400	DRYER DUST COLLECTOR		
C87	CATALYTIC INCINERATOR		
C9892	TORIT COLLECTOR		
D09A	NO. 2 KILN SETTLING CHAMBER		
E1963	NO. 1 KILN HEAT EXCHANGER		
RTO56	REGENERATIVE THERMAL OXIDIZER		
FM02	NO. 2 OIL SUPPLY TO KILNS		
FM142	NO. 2 KILN COAL SUPPLY		
FM143	NO. 2 KILN COKE SUPPLY		
FM25	NATURAL GAS SUPPLY		
FM26	PROPANE FUEL SUPPLY		

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
FM42	NO. 1 KILN COAL SUPPLY		
FM43	NO. 1 KILN COKE SUPPLY		
1352A	NO. 2 COOLER "A" STACK		
1352B	NO. 2 COOLER "B" STACK		
S09	C1690 BAGHOUSE STACK		
S110	GENERATORS EXHAUSTS		
S1366	COAL ELEVATOR STACK		
S1367	NO. 1 KILN COOLER EXHAUST		
S14	C1470 BAGHOUSE EXHAUST		
S16	C7083 BAGHOUSE EXHAUST		
S17	C7200 BAGHOUSE EXHAUST		
S1708	LOADOUT DUST COLLECTOR STACK		
S1717	FILL DUST COLLECTOR STACK		
S1736	MEAL BIN AREA DUST COLLECTOR STACK		
S1767	DRYER SYSTEM DUST COLLECTOR STACK		
S18	7185 BAGHOUSE EXHAUST		
S1921	BIN 36 SYSTEM STACK		
S1964	NO. 1 KILN BAGHOUSE STACK		
S20	C7474 FILTER EXHAUST		
S402	FEED END DUST COLLECTOR STACK		
S72	C72 BAGHOUSE EXHAUST		
S7260	C7260 BAGHOUSE EXHAUST		
S73	C73 BAGHOUSE EXHAUST		
S74	C74 BAGHOUSE STACK		
S7673	7673 BAGHOUSE EXHAUST		
S7744	PELLET SYSTEM DRYER STACK		
S7748	OTHER PELLET SYSTEM SOURCES STACK		
S81	C81 INCINERATOR EXHAUST		
S82	KILNS #5 & #6 STACK		
S82A	RTO56 STACK		
S83	C83 INCINERATOR EXHAUST		
S84	C84 INCINERATOR EXHAUST		
S8400	DRYER SYSTEM DUST COLLECTOR STACK		
S855	STRIPING EXHAUST		
S87	C87 INCINERATOR EXHAUST		
S9892	NO. 5 BALL MILL COLLECTOR STACK		
Z06	FUGITIVE EMISSIONS FROM DEGREASERS		
Z101	FUGITIVE EMISSIONS DRILLING & BLASTING		
Z102	PRIMARY CRUSHER FUGITIVE EMISSIONS		
Z103	DRYER AREA FUGITIVE EMISSIONS		
Z104	PELLET PLANT FUGITIVE EMISSIONS		

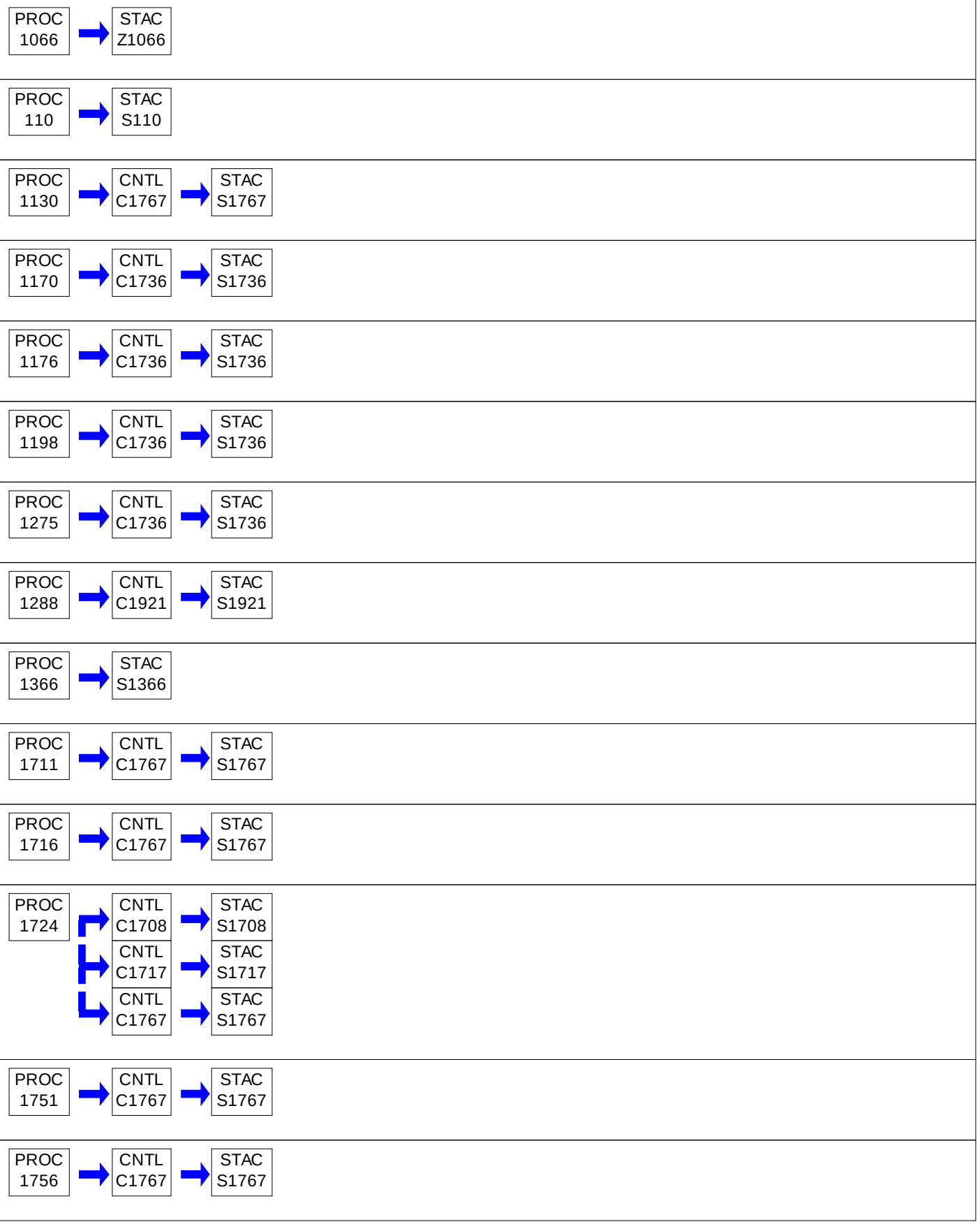
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
Z105	FUGITIVE EMISSIONS FROM PLANT HAUL ROADS		
Z106	FUGITIVE EMISSIONS FROM PLANT STORAGE PILES		
Z1066	GRINDING PLANT BUILDING		
Z570	NO. 3 BALL MILL BLD		
Z575	MAGNESITE SIZING PLANT		

PERMIT MAPS

PROC 006	→ STAC Z06	
PROC 101	→ CNTL C101	→ STAC Z101
PROC 1015A	→ CNTL C102	→ STAC Z102
PROC 1017A	→ CNTL C102	→ STAC Z102
PROC 1018	→ CNTL C102	→ STAC Z102
PROC 1029A	→ CNTL C102	→ STAC Z102
PROC 103	→ STAC Z103	
PROC 1030	→ CNTL C102	→ STAC Z102
PROC 1031	→ CNTL C102	→ STAC Z102
PROC 104	→ STAC Z104	
PROC 105	→ STAC Z105	
PROC 106	→ STAC Z106	

PERMIT MAPS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PROC 110
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PROC 1130
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PROC 1170
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PROC 1176
CNTL C1736
STAC S1736
PROC 1198
CNTL C1736
STAC S1736
PROC 1275
CNTL C1736
STAC S1736
PROC 1288
CNTL C1921
STAC S1921
PROC 1366
STAC S1366
PROC 1711
CNTL C1767
STAC S1767
PROC 1716
CNTL C1767
STAC S1767
PROC 1724
CNTL C1708
STAC S1708
CNTL C1717
STAC S1717
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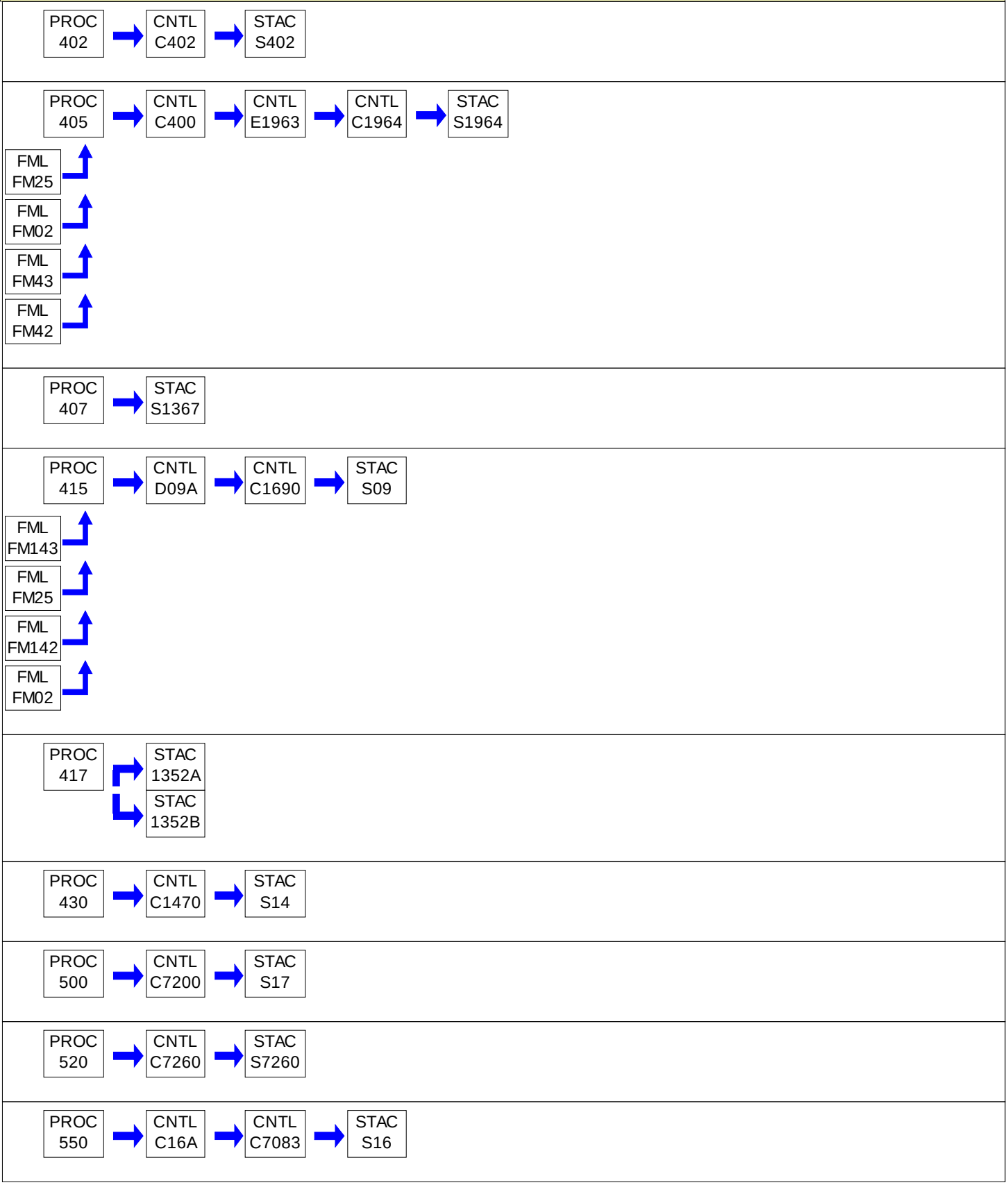
PROC 1751
CNTL C1767
STAC S1767
PROC 1756
CNTL C1767
STAC S1767

PERMIT MAPS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CNTL C402
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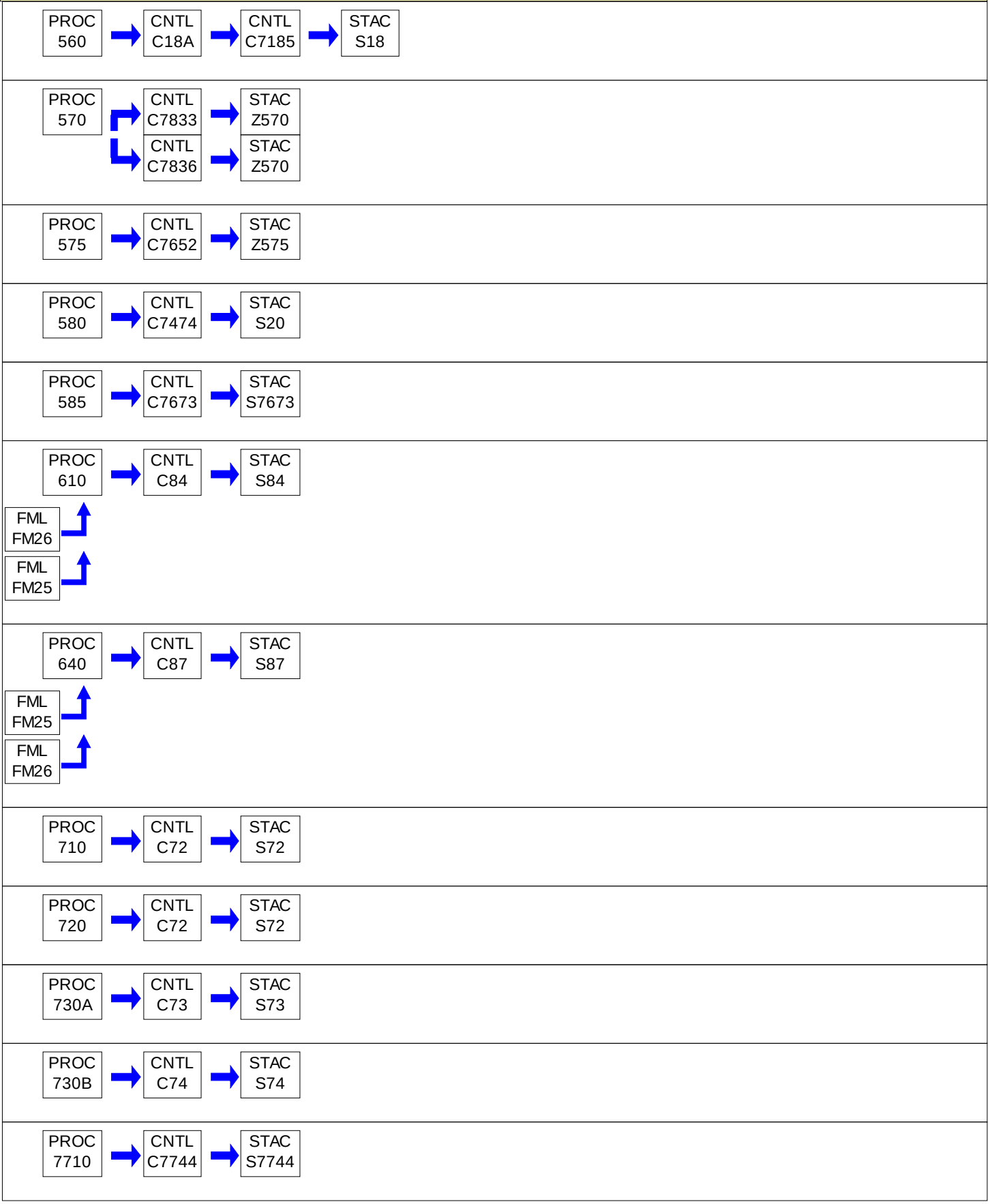
PROC 405
CNTL C400
CNTL E1963
CNTL C1964
STAC S1964
FML FM25
FML FM02
FML FM43
FML FM42
PROC 407
STAC S1367
PROC 415
CNTL D09A
CNTL C1690
STAC S09
FML FM143
FML FM25
FML FM142
FML FM02
PROC 417
STAC 1352A
STAC 1352B
PROC 430
CNTL C1470
STAC S14
PROC 500
CNTL C7200
STAC S17
PROC 520
CNTL C7260
STAC S7260
PROC 550
CNTL C16A
CNTL C7083
STAC S16

PERMIT MAPS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PROC 570
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STAC Z570
PROC 575
CNTL C7652
STAC Z575
PROC 580
CNTL C7474
STAC S20
PROC 585
CNTL C7673
STAC S7673
PROC 610
CNTL C84
STAC S84
FML FM26
FML FM25
PROC 640
CNTL C87
STAC S87
FML FM25
FML FM26
PROC 710
CNTL C72
STAC S72
PROC 720
CNTL C72
STAC S72
PROC 730A
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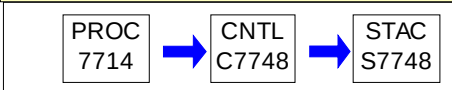
STAC S73
PROC 730B
CNTL C74
STAC S74
PROC 7710
CNTL C7744
STAC S7744

PERMIT MAPS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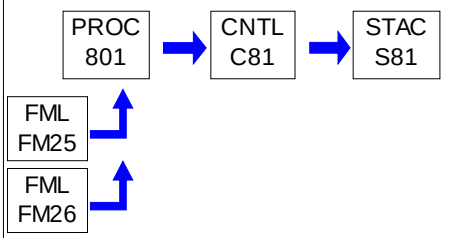
PROC 801
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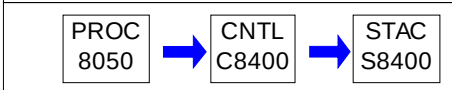
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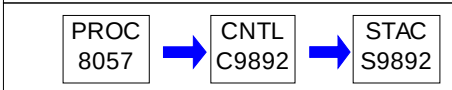
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CNTL C9892
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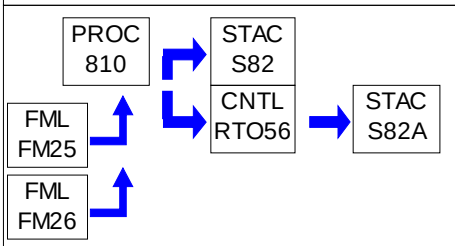
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STAC S82A
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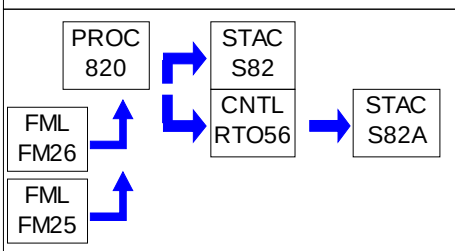
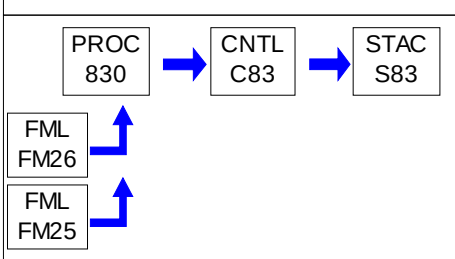
FML FM26


PROC 820
STAC S82
CNTL RTO56
STAC S82A
FML FM26
FML FM25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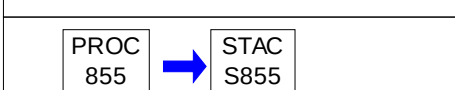
FML FM25


PROC 855
STAC S855

SECTION B. General Title V Requirements

#001 [25 Pa. Code § 121.1]

Definitions

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

#002 [25 Pa. Code § 121.7]

Prohibition of Air Pollution

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

#003 [25 Pa. Code § 127.512(c)(4)]

Property Rights

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

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

Permit Expiration

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

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

Permit Renewal

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

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

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

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

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

Transfer of Ownership or Operational Control

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

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

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

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

SECTION B. General Title V Requirements

the Department.

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

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

Inspection and Entry

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

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

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

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

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

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

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

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

Compliance Requirements

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

(1) Enforcement action

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

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

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

#009 [25 Pa. Code § 127.512(c)(2)]

Need to Halt or Reduce Activity Not a Defense

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

SECTION B. General Title V Requirements

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

Duty to Provide Information

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

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

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

Reopening and Revising the Title V Permit for Cause

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

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

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

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

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

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

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

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

#012 [25 Pa. Code § 127.543]

Reopening a Title V Permit for Cause by EPA

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

#013 [25 Pa. Code § 127.522(a)]

Operating Permit Application Review by the EPA

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

R3_Air_Apps_and_Notices@epa.gov

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

SECTION B. General Title V Requirements

#014 [25 Pa. Code § 127.541]

Significant Operating Permit Modifications

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

R3_Air_Apps_and_Notices@epa.gov

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

#015 [25 Pa. Code §§ 121.1 & 127.462]

Minor Operating Permit Modifications

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

R3_Air_Apps_and_Notices@epa.gov

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

#016 [25 Pa. Code § 127.450]

Administrative Operating Permit Amendments

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

R3_Air_Apps_and_Notices@epa.gov

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

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

#017 [25 Pa. Code § 127.512(b)]

Severability Clause

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

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

Fee Payment

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

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

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

SECTION B. General Title V Requirements

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

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

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

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

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

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

Authorization for De Minimis Emission Increases

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

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

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

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

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

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

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

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

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

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

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

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

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

SECTION B. General Title V Requirements

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Reactivation of Sources

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

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

#021 [25 Pa. Code §§ 121.9 & 127.216]

Circumvention

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

SECTION B. General Title V Requirements

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

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

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

Submissions

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

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

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

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

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

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

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

Sampling, Testing and Monitoring Procedures

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

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

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

Recordkeeping Requirements

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

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

(2) The dates the analyses were performed.

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

(4) The analytical techniques or methods used.

SECTION B. General Title V Requirements

(5) The results of the analyses.

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

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

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

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

Reporting Requirements

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

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

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

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

#026 [25 Pa. Code § 127.513]

Compliance Certification

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

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

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

SECTION B. General Title V Requirements

#027 [25 Pa. Code § 127.3]

Operational Flexibility

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

(1) Section 127.14 (relating to exemptions)

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

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

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

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

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

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

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

Risk Management

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

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

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

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

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

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

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

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

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

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

SECTION B. General Title V Requirements

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

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

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

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

#029 [25 Pa. Code § 127.512(e)]

Approved Economic Incentives and Emission Trading Programs

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

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

Permit Shield

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

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

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

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

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

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

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

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

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

#031 [25 Pa. Code §135.3]

Reporting

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

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

#032 [25 Pa. Code §135.4]

Report Format

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

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

(a) Construction or demolition of buildings or structures.
(b) Grading, paving and maintenance of roads and streets.
(c) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
(d) Clearing of land.
(e) Stockpiling of materials.
(f) Blasting
(g) Sources and classes of sources other than those identified above, for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
1) the emissions are of minor significance with respect to causing air pollution;
2) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air standard.

 # 002 [25 Pa. Code §123.2]

Fugitive particulate matter

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

 # 003 [25 Pa. Code §123.31]

Limitations

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

 # 004 [25 Pa. Code §123.41]

Limitations

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

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

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

 # 005 [25 Pa. Code §123.42]

Exceptions

The emission limitations of Section 123.41 shall not apply when:

(1) The presence of uncombined water vapor is the only reason for failure of the emission to meet the limitation;
(2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions;
(3) The emission results from sources specified in 25 Pa. Code Section 123.1(a)(1) through (9)(relating to certain fugitive emissions).

 # 006 [25 Pa. Code §127.512]

Operating permit terms and conditions.

Total facility volatile organic compound (VOC) emissions shall not equal or exceed 50 tons per consecutive 12-month period.

[The above requirement was included in Operating Permit No. 67-2001A.]

 # 007 [25 Pa. Code §129.14]

Open burning operations

No person shall conduct the open burning of material at the facility, except for the following:
(1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a

SECTION C. Site Level Requirements

public officer.
(2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
(3) A fire set for the prevention and control of disease or pests, when approved by the Department.
(4) A fire set solely for recreational or ceremonial purposes.
(5) A fire set solely for cooking food.

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

Fuel Restriction(s).

 # 008 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor the sulfur content of all liquid fuels used by laboratory analysis or fuel supplier's certification for each shipment received.

II. TESTING REQUIREMENTS.

 # 009 [25 Pa. Code §127.512]

Operating permit terms and conditions.

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

 # 010 [25 Pa. Code §139.3]

General requirements.

(a) Pursuant to 25 Pa. Code § 139.3 at least 90 calendar days prior to commencing an emissions testing program, unless otherwise approved in writing by DEP, a test protocol shall be submitted to the Department for review and approval. Unless otherwise approved in writing by DEP, the permittee shall not conduct the test that is the subject of the protocol, until the protocol has been approved by DEP.

(b) 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.

(c) 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 and the appropriate Regional Office indicating the completion date of the on-site testing.

(d) Pursuant to 40 CFR Part 60.8(a), 40 CFR Part 61.13(f) and 40 CFR Part 63.7(g) a complete test report 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. For those tests being conducted pursuant to 40 CFR Part 61, a complete test report shall be submitted within 31 days after completion of the test

(e) 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.

SECTION C. Site Level Requirements

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

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

(h) Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3) all submittals, besides notifications, shall be accomplished through PSIMS*Online available through https://www.depgreenport.state.pa.us/ecomm/Login.jsp when it becomes available. If internet submittal cannot be accomplished, one digital copy of each submittal shall be made to each of the following:

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

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

(h)(1) A complete paper copy of each submittal shall be made to PA DEP, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468

(h)(2) A paper copy of (only) the cover letter/page (for both protocols and reports) and summary table (for reports only), of each submittal shall be made to Program Manager, Air Quality Program, PA DEP Southcentral Regional Office, 909 Elmerton Avenue, Harrisburg, PA 17110

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

III. MONITORING REQUIREMENTS.

 # 011 [25 Pa. Code §123.43]

Measuring techniques

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

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

 # 012 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

 # 013 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall annually demonstrate compliance with the particulate matter and sulfur oxides emissions standards for the combustion sources referenced in this operating permit. The minimum compliance demonstration for all sources, except the rotary kilns, shall include the use of methods contained in the EPA AP-42 manual.

 # 014 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall calculate and record facility VOC emissions for each calendar month and total VOC emissions for each consecutive 12-month period.

SECTION C. Site Level Requirements

 # 015 [25 Pa. Code §127.512]

Operating permit terms and conditions.

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

(a) Visible emissions in excess of the limits stated in Section C, Condition #004. Visible emissions may be measured according to the methods specified in Section C, Condition #010, or alternatively, plant personnel who observe visible emissions may report the incidence of visible emissions to the Department within two hours of each incident and make arrangements for a certified observer to verify the visible emissions.

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

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

 # 016 [25 Pa. Code §127.512]

Operating permit terms and conditions.

These are 40 CFR 63.9808 requirements to demonstrate continuous compliance in monitoring and collecting data:
(a) The permittee must monitor and collect data according to this section.
(b) At all times, the permittee must maintain monitoring systems including, but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.
(c) Except for, as applicable, monitoring system malfunctions, associated repairs, and required quality assurance or quality control activities, the permittee must monitor continuously whenever the affected process unit is operating. For purposes of calculating data averages, the permittee must not use data recorded during monitoring system malfunctions, associated repairs, and required quality assurance or quality control activities. The permittee must use all the data collected during all other periods in assessing compliance. A monitoring system malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring system to provide valid data. Monitoring system malfunctions include out of control continuous monitoring systems (CMS), such as a CPMS. Any averaging period for which you do not have valid monitoring data as a result of a monitoring system malfunction and for which such data are required constitutes a deviation, and the permittee must notify the Administrator in accordance with 40 CFR 63.9814(e). Monitoring system failures are different from monitoring system malfunctions in that they are caused in part by poor maintenance or careless operation. Any period for which there is a monitoring system failure and data are not available for required calculations constitutes a deviation and you must notify the Administrator in accordance with 40 CFR 63.9814(e).

IV. RECORDKEEPING REQUIREMENTS.

 # 017 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain record of daily inspections around the plant periphery. The records shall include, at minimum, the following information:

1.) The name of the company representative doing the observation.
2.) The date and time of the monitoring.
3.) The wind direction.
4.) A description of any emissions and/or malodors observed and the actions taken to mitigate them. If none are present, record "NONE."

These records shall be maintained for the most recent five (5) year period and be made available to the Department upon request.

 # 018 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

 # 019 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain appropriate daily records to verify compliance with the 50-TPY VOC emissions limit. These

SECTION C. Site Level Requirements

records shall include, but are not limited to, the following:

a. Records of purchase and usage of all binders, additives, solvents and other VOC-containing materials
b. Material Safety Data sheets or supplier's certification of VOC content for all VOC-containing materials.

 # 020 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

Unless otherwise noted, all records required by this and subsequent operating permits shall be maintained for the most recent five-year period and shall be readily available to the Department upon request. The most recent two years of records must be retained at the facility. The remaining three years of records may be retained at the facility or may be retained off site. The records may be retained on paper, microfilm, microfiche or computer disks. If the records are retained on computer disks, the records must be in commonly available software. Commonly available software is usually compatible with a Microsoft application such as Word or Excel.

 # 021 [25 Pa. Code §127.512]

Operating permit terms and conditions.

These are 40 CFR 63.9804 requirements for a CPMS (Continuous Parameter Monitoring System):
(a) The permittee must install, operate, and maintain each CPMS required by this subpart according to the OM&M plan and the requirements in paragraphs (a)(1) through (15) of this section.
(1) The permittee must satisfy all applicable requirements of performance specifications for CPMS specified in 40 CFR part 60, appendix B, upon promulgation of such performance specifications.
(2) The permittee must satisfy all applicable requirements of quality assurance (QA) procedures for CPMS specified in 40 CFR part 60, appendix F, upon promulgation of such QA procedures.
(3) The permittee must install each sensor of a CPMS in a location that provides representative measurement of the appropriate parameter over all operating conditions, taking into account the manufacturer's guidelines.
(4) The permittee must use a CPMS that is capable of measuring the appropriate parameter over a range that extends from a value of at least 20 percent less than the lowest value the CPMS is expected to measure, to a value of at least 20 percent greater than the highest value the CPMS is expected to measure.
(5) The permittee must use a data acquisition and recording system that is capable of recording values over the entire range specified in paragraph (a)(4) of this section.
(6) The permittee must use a signal conditioner, wiring, power supply, and data acquisition and recording system that are compatible with the output signal of the sensors used in your CPMS.
(7) The permittee must perform an initial calibration of a CPMS based on the procedures specified in the manufacturer's owner's manual.
(8) The permittee must use a CPMS that is designed to complete a minimum of one cycle of operation for each successive 15-minute period. To have a valid hour of data, the permittee must have at least three of four equally-spaced data values (or at least 75 percent of the total number of values if more than four data values are collected per hour) for that hour (not including startup, shutdown, malfunction, or out-of-control periods).
(9) The permittee must record valid data from at least 90 percent of the hours during which the affected source or process operates.
(10) The permittee must determine and record the 15-minute block averages of all measurements, calculated after every 15 minutes of operation as the average of the previous 15 operating minutes (not including periods of startup, shutdown, or malfunction).
(11) The permittee must determine and record the 3-hour block averages of all 15-minute recorded measurements, calculated after every 3 hours of operation as the average of the previous 3 operating hours (not including periods of startup, shutdown, or malfunction).
(12) The permittee must record the results of each inspection, calibration, initial validation, and accuracy audit.
(13) At all times, the permittee must maintain a CPMS including, but not limited to, maintaining necessary parts for routine repairs of the CPMS.
(14) The permittee must perform an initial validation of your CPMS under the conditions specified in paragraphs (14)(i) and (ii) of this section.
(i) Prior to the initial performance test on the affected source for which the CPMS is required.
(ii) Within 180 days of your replacing or relocating one or more of the sensors of your CPMS.
(15) Except for redundant sensors, as defined in §63.9824, any device used to conduct an initial validation or accuracy audit of a CPMS must meet the accuracy requirements specified in paragraphs (15)(i) and (ii) of this section.
(i) The device must have an accuracy that is traceable to National Institute of Standards and Technology (NIST)

SECTION C. Site Level Requirements

standards.
(ii) The device must be at least three times as accurate as the required accuracy for the CPMS.
(b) For each temperature CPMS that is used to monitor the combustion chamber temperature of a thermal oxidizer or the catalyst bed inlet temperature of a catalytic oxidizer, the permittee must meet the requirements in paragraphs (a) and (b)(1) through (b)(6) of this section.
(1) Use a temperature CPMS with a minimum accuracy of +/-1.0 percent of the temperature value or 2.8 degrees Celsius (°C) (5 degrees Fahrenheit (°F)), whichever is greater.
(2) Use a data recording system with a minimum resolution of one-half or better of the required CPMS accuracy specified in paragraph (b)(1) of this section.
(3) Perform an initial validation of your CPMS according to the requirements in paragraph (3)(i) or (3)(ii) of this section.
(i) Place the sensor of a calibrated temperature measurement device adjacent to the sensor of the temperature CPMS in a location that is subject to the same environment as the sensor of the temperature CPMS. The calibrated temperature measurement device must satisfy the accuracy requirements of paragraph (a)(15) of this section. While the process and control devices that is monitored by the CPMS are operating normally, record concurrently and compare the temperatures measured by the temperature CPMS and the calibrated temperature measurement device. Using the calibrated temperature measurement device as the reference, the temperature measured by your CPMS must be within the accuracy specified in paragraph (b)(1) of this section.
(ii) Perform any of the initial validation methods for a temperature CPMS specified in performance specifications for CPMS established in 40 CFR part 60, appendix B.
(4) Perform an accuracy audit of each temperature CPMS at least quarterly, according to the requirements in paragraph (b)(4)(i), (ii), or (iii) of this section.
(i) If the temperature CPMS includes a redundant temperature sensor, record three pairs of concurrent temperature measurements within a 24-hour period. Each pair of concurrent measurements must consist of a temperature measurement by each of the two temperature sensors. The minimum time interval between any two such pairs of consecutive temperature measurements is 1 hour. The measurements must be taken during periods when the process and control device that is monitored by the temperature CPMS are operating normally. Calculate the mean of the three values for each temperature sensor. The mean values must agree within the required overall accuracy of the CPMS, as specified in paragraph (b)(1) of this section.
(ii) If the temperature CPMS does not include a redundant temperature sensor, place the sensor of a calibrated temperature measurement device adjacent to the sensor of your temperature CPMS in a location that is subject to the same environment as the sensor of the temperature CPMS. The calibrated temperature measurement device must satisfy the accuracy requirements of paragraph (a)(15) of this section. While the process and control devices that are monitored by the temperature CPMS are operating normally, record concurrently and compare the temperatures measured by the CPMS and the calibrated temperature measurement device. Using the calibrated temperature measurement device as the reference, the temperature measured by your CPMS must be within the accuracy specified in paragraph (b)(1) of this section.
(iii) Perform any of the accuracy audit methods for temperature CPMS specified in QA procedures for CPMS established in 40 CFR part 60, appendix F.
(5) Conduct an accuracy audit of a CPMS following any 24-hour period throughout which the temperature measured by the CPMS exceeds the manufacturer's specified maximum operating temperature range, or install a new temperature sensor.
(6) If a CPMS is not equipped with a redundant temperature sensor, perform at least quarterly a visual inspection of all components of the CPMS for integrity, oxidation, and galvanic corrosion.

V. REPORTING REQUIREMENTS.

 # 022 [25 Pa. Code §127.512]

Operating permit terms and conditions.

An annual report as per Section 129.95 containing, but not limited to, the following data for each fuel-burning unit complying with 25 Pa. Code, Section 129.91 shall be submitted to the Air Quality District Supervisor:

a. identification of each source
b. hours of operation per quarter
c. fuel combusted per quarter
d. fuel analysis for each liquid fuel shipment received
e. pounds of NOx emitted per quarter

SECTION C. Site Level Requirements

The report for each January 1 through December 31 period is due no later than March 1 of the following year for each year authorized by this operating permit or its renewal.

[Additional authority for reporting requirements are derived from the 1994 operating permit 67-2001.]

 # 023 [25 Pa. Code §127.512]

Operating permit terms and conditions.

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

(a) Malfunction which poses an imminent danger to the public health, safety, welfare, and environment, shall be immediately reported to the Department by telephone. The telephone report of such malfunctions shall occur no later than two (2) hours after the incident. Telephone reports can be made to the Air Quality Program at (717) 705-4702 during normal business hours, or to the Department's Emergency Hotline at any time. The Emergency Hotline phone number is changed/updated periodically. The current Emergency Hotline phone number can be found at https://www.dep.pa.gov/About/Regional/SouthcentralRegion/Pages/default.aspx. The permittee shall submit a written report of instances of such malfunctions to the Department within three (3) days of the telephone report.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 024 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

(1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads or the clearing of land.
(2) Application of asphalt, oil, water or suitable chemicals on dirt roads, 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.

 # 025 [25 Pa. Code §127.444]

Compliance requirements.

All air emissions sources and emission control devices shall be operated and maintained in accordance with the manufacturers' recommendations as necessary to comply with the terms and conditions of this permit for particulate matter and visible emissions.

VII. ADDITIONAL REQUIREMENTS.

 # 026 [25 Pa. Code §127.444]

Compliance requirements.

This condition constitutes a compliance schedule:

a.) The permittee shall comply with the 7/13/21 EPA Compliance Order (Docket No. CAA-03-2021-0106DA) regarding 40 CFR Part 63 Subpart AAAAA, by the deadlines specified in that Order.

b.) Unless otherwise approved in writing by DEP, the permittee shall, by no later than December 31, 2021, complete reference method re-testing of the two rotary kilns, and cooler stacks to determine compliance with 40 CFR Part 63, Subpart AAAAA emissions limitation of 0.12 lbs of PM/ton of stone feed.

SECTION C. Site Level Requirements

 # 027 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) This Title V Operating Permit incorporates by reference all of the provisions of Plan Approval 67-05001E. Based on this incorporation, any violation of this plan approval would also be deemed a violation of this Title V Operating Permit.

(b) This incorporation of Plan Approval 67-05001E into this Title V Operating Permit shall not be construed to require the permittee to implement the projects that are the subject of this 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 projects that are the subject of Plan Approval 67-05001E, unless and until the permittee applies for, and is granted, future administrative amendment to this Title V permit for this project. Application for an administrative amendment would occur after the plan approval equipment has been determined by DEP to have completed its temporary operation phase under the authority of the plan approval.

 # 028 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

 # 029 [25 Pa. Code §127.512]

Operating permit terms and conditions.

All combustion sources, except for the Group 001 rotary kilns, shall comply with the requirements of 25 Pa. Code, Section 129.93(c)..

 # 030 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The facility is a major source for HAPs and consequently the requirements of the following are applicable to the affected sources at the facility:

40 CFR, Part 63, Subpart A - General Provisions

40 CFR, Part 63, Subpart AAAAA - National Emissions Standards for Hazardous Air Pollutants for Lime Manufacturing Plants

40 CFR, Part 63, Subpart SSSSS - National Emissions Standards for Hazardous Air Pollutants for Refractory Manufacturing Plants

 # 031 [25 Pa. Code §127.512]

Operating permit terms and conditions.

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

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

SECTION D. Source Level Requirements

Source ID: 006 Source Name: COLD CLEANING STATIONS (DEGREASERS)

Source Capacity/Throughput:

PROC 006 → STAC Z06

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §129.63]

Degreasing operations

After December 22, 2002, the permittee 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.

The above requirement 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 this condition will result in unsafe operating conditions.
(iii) To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.

Throughput Restriction(s).

 # 002 [25 Pa. Code §129.63]

Degreasing operations

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

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 §129.63]

Degreasing operations

The permittee shall maintain for at least two (2) years and shall provide to the Department, on request, the following 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).

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.

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 §129.63]

Degreasing operations

Immersion cold cleaning machines shall 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 six (6) inches shall constitute an acceptable cover.

 # 005 [25 Pa. Code §129.63]

Degreasing operations

The permittee shall operate the cold cleaning machines 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.

 # 006 [25 Pa. Code §129.63]

Degreasing operations

For immersion cold cleaning machines and remote reservoir cold cleaning machines, the permittee shall have a permanent, conspicuous label summarizing the operating requirements in Section D, Condition #006. In addition, the label shall include the following discretionary good operating practices:

(A) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the cold cleaning machine.

(B) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.

(C) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

VII. ADDITIONAL REQUIREMENTS.

 # 007 [25 Pa. Code §129.63]

Degreasing operations

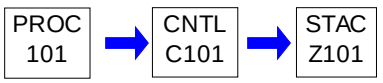
The permittee that operates a parts washer or cold cleaning machines that use 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts shall comply with the requirements listed in this section.

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

SECTION D. Source Level Requirements

Source ID: 101 Source Name: DRILLING

Source Capacity/Throughput: 1.000 Tons/HR



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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: 1015A Source Name: GRIZZLY FEEDER

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 015

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).

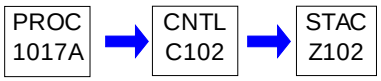
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 1017A Source Name: JAW CRUSHER

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 014
015



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).

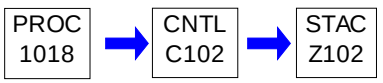
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 1018 Source Name: PRIMARY CRUSHER CONVEYOR

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 014
015



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).

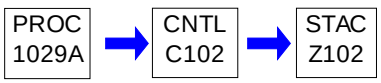
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 1029A Source Name: SINGLE PRIMARY SCREENER

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 014
015



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.

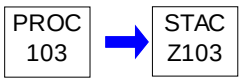
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

SECTION D. Source Level Requirements

Source ID: 103 Source Name: DRYER AREA FUGITIVE EMISSIONS

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).

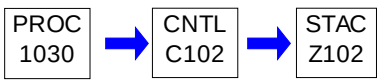
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 1030 Source Name: MMD CRUSHER (SECONDARY CRUSHER)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 014
015



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).

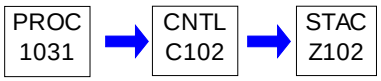
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 1031 Source Name: SECONDARY CRUSHER CONVEYOR

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 014
015



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.

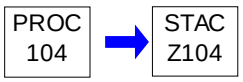
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

SECTION D. Source Level Requirements

Source ID: 104 Source Name: PELLET PLANT FUGITIVE EMISSIONS

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: 105 Source Name: PLANT HAUL ROADS

Source Capacity/Throughput:

PROC 105 → STAC Z105

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.512]

Operating permit terms and conditions.

Unless otherwise approved in writing by DEP, the unpaved roadways of the quarry haul roads shall be treated twice monthly with flake calcium chloride or equivalent chemical dust suppressant. The unpaved roadways shall continue to be wetted as required by 25 Pa. Code Section 123.1(c).

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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.

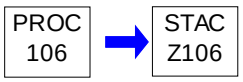
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

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

SECTION D. Source Level Requirements

Source ID: 106 Source Name: PLANT STORAGE PILES

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).

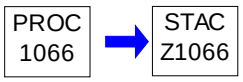
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 1066 Source Name: GRINDING PLANT

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 014



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: 110 Source Name: EMERGENCY GENERATORS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 009 MACT
011 RACT 1
018

PROC 110 → STAC S110

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.22]

Combustion units

No person may offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in nonair basin areas which contains sulfur in excess of the applicable percentage by weight set forth in the following table:

Grades Commercial Fuel Oil	Sulfur Content
No. 2 and Lighter (viscosity less than or equal to 5.820cSt)	0.0015% or 15ppm

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

 # 002 [25 Pa. Code §127.444]

Compliance requirements.

Each engine that is part of Source 110 shall operate less than 500 hours on a 12-month rolling basis. The permittee shall keep records to demonstrate compliance with this requirement.

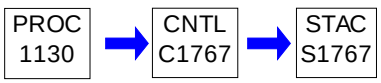
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 1130 Source Name: BINS 35 A & B

Source Capacity/Throughput:

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



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

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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).

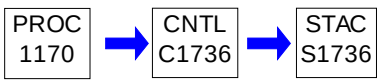
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 1170 Source Name: MEAL BIN AREA TRIPPER CONVEYOR

Source Capacity/Throughput:

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



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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IV. RECORDKEEPING REQUIREMENTS.

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).

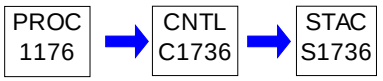
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 1176 Source Name: OTHER DRYER SYSTEM SCREENERS

Source Capacity/Throughput:

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



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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III. MONITORING REQUIREMENTS.

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IV. RECORDKEEPING REQUIREMENTS.

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).

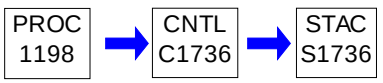
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 1198 Source Name: BUCKET ELEVATOR NO 8

Source Capacity/Throughput:

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



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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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).

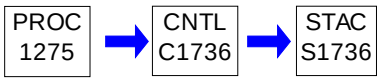
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 1275 Source Name: MIDWESTERN 5-DECK VIBRATORY SCREEN

Source Capacity/Throughput:

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



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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IV. RECORDKEEPING REQUIREMENTS.

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V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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).

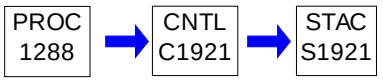
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 1288 Source Name: BIN 36 SYSTEM

Source Capacity/Throughput:

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



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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IV. RECORDKEEPING REQUIREMENTS.

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).

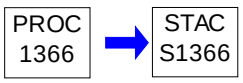
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 1366 Source Name: COAL ELEVATOR

Source Capacity/Throughput: 60.000 Tons/HR COAL

Conditions for this source occur in the following groups: 013



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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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).

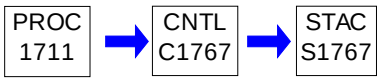
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 1711 Source Name: DRYER SYSTEM SCREENER

Source Capacity/Throughput:

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



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).

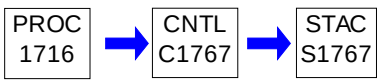
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 1716 Source Name: BRADLEY MILL

Source Capacity/Throughput:

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



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).

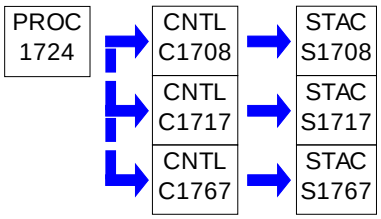
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 1724 Source Name: PRODUCT BIN

Source Capacity/Throughput:

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



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).

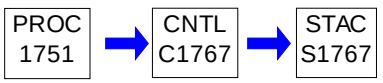
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 1751 Source Name: PA CRUSHER

Source Capacity/Throughput:

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



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).

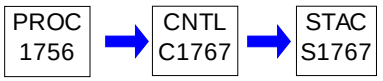
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 1756 Source Name: DRYER SYSTEM SCREENER

Source Capacity/Throughput:

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



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: 402 Source Name: DOLOMITE CONVEYOR

Source Capacity/Throughput:	85.000	Tons/HR	DOLOMITE
	2.000	Tons/HR	RECYCLED REFRACTORY

Conditions for this source occur in the following groups: 005
007 MACT

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).

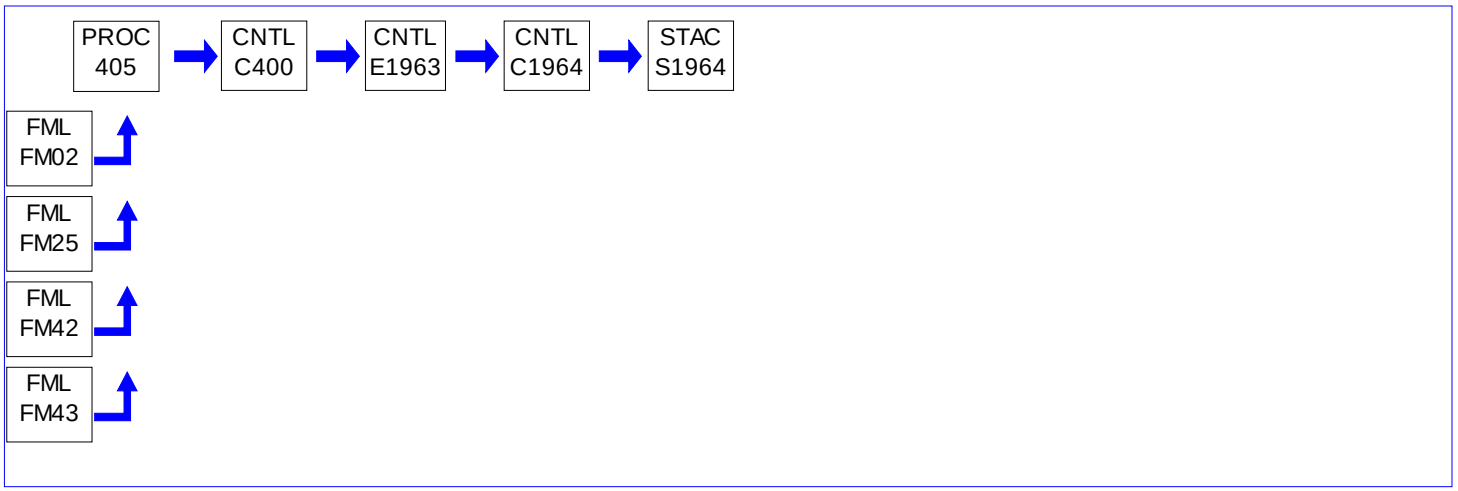
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 405 Source Name: NUMBER 1 ROTARY KILN (WITH O2)

Source Capacity/Throughput:			
	1.000	Tons/HR	RECYCLED REFRACTORY
	14.000	Tons/HR	BURNED DOLOMITE
	12,000.000	Lbs/HR	Bituminous
	600.000	Gal/HR	#2 Oil
	160,000.000	MCF/HR	Natural Gas
	12,000.000	Lbs/HR	PET COKE

Conditions for this source occur in the following groups: 001
005
007 MACT
011 RACT 1
019



I. RESTRICTIONS.

Fuel Restriction(s).

 # 001 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The sulfur content of the coal/petroleum coke blend fired in the No. 1 Rotary Kiln, Source ID 405, shall not exceed 1.75% by weight, dry basis.

[The above requirement was included in Operating Permit No. 67-309-035.]

II. TESTING REQUIREMENTS.

 # 002 [25 Pa. Code §127.512]

Operating permit terms and conditions.

Nitrogen oxides, sulfur oxides and particulate matter emissions from the No. 1 Rotary Kiln, Source ID 405, shall be verified annually by a stack test or other means approved by the Department. NOx testing shall be conducted during the period from May 1st through October 31st for each year authorized by this operating permit or its renewal. Testing shall be conducted in accordance with the provisions of Chapter 139 of the Department's Rules and Regulations.

III. MONITORING REQUIREMENTS.

 # 003 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall monitor NOx emissions per ton of product by using kiln operating hours and average hourly production on a daily basis.

SECTION D. Source Level 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) 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).

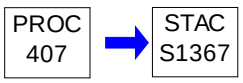
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 407 Source Name: NO. 1 KILN BURNT DOLOMITE COOLER

Source Capacity/Throughput:	14.000	Tons/HR	BURNED DOLOMITE
	1.000	Tons/HR	RECYCLED REFRACTORIES

Conditions for this source occur in the following groups: 007 MACT



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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IV. RECORDKEEPING REQUIREMENTS.

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V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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).

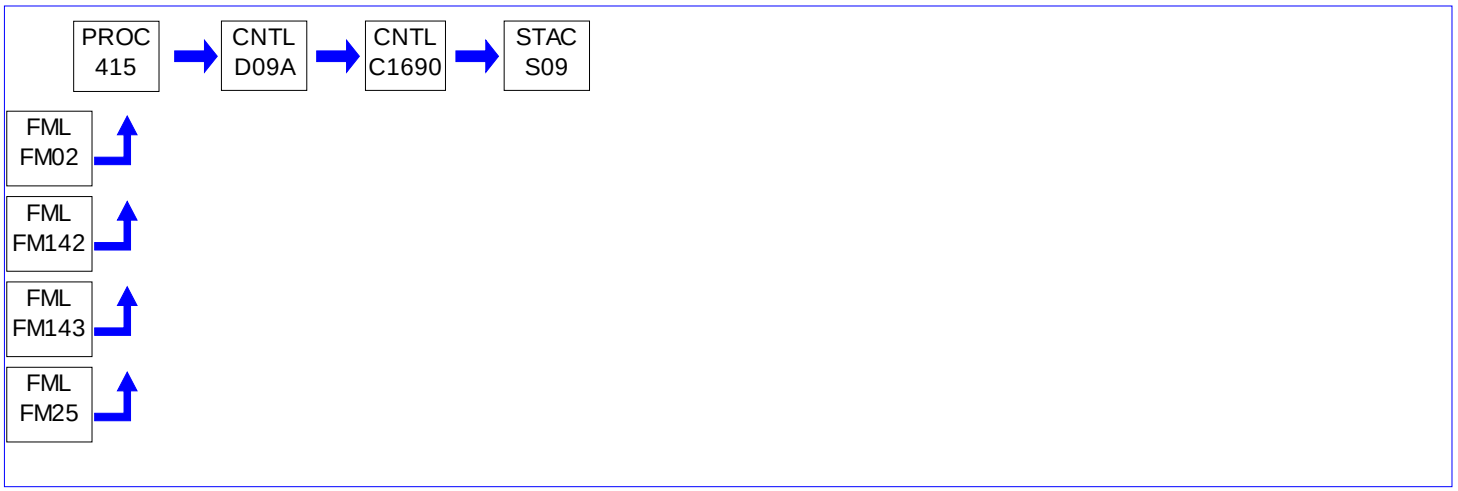
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 415 Source Name: NUMBER 2 ROTARY KILN (WITH O2)

Source Capacity/Throughput:			
	1.000	Tons/HR	RECYCLED REFRACTORY
	23.000	Tons/HR	BURNED DOLOMITE
	13,400.000	Lbs/HR	Bituminous
	600.000	Gal/HR	#2 Oil
	160.000	MCF/HR	Natural Gas
	13,400.000	Lbs/HR	PETRO COKE

Conditions for this source occur in the following groups: 001
005
007 MACT
011 RACT 1
019



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.

 # 001 [25 Pa. Code §127.512]

Operating permit terms and conditions.

Nitrogen oxides, sulfur oxides and particulate matter emissions from the No. 2 Rotary Kiln, Source ID 415, shall be verified annually by a stack test or other means approved by the Department. NOx testing shall be conducted during the period from May 1st through October 31st for each year authorized by this operating permit or its renewal. Testing shall be conducted in accordance with the provisions of Chapter 139 of the Department's Rules and Regulations.

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall monitor NOx emissions per ton of product by using kiln operating hours and average hourly production on a daily basis.

IV. RECORDKEEPING REQUIREMENTS.

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

SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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).

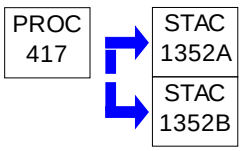
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 417 Source Name: NO. 2 KILN BURNT DOLOMITE COOLER

Source Capacity/Throughput:	23.000	Tons/HR	DEADBURN DOLOMT
	1.000	Tons/HR	RECYCLED REFRACTORIES

Conditions for this source occur in the following groups: 007 MACT



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).

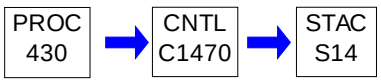
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 430 Source Name: OLD SIZING PLANT OPERATIONS

Source Capacity/Throughput: 36.500 Tons/HR BURNED DOLOMITE

Conditions for this source occur in the following groups: 003
005



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: 500 Source Name: HPS PROCESSING

Source Capacity/Throughput: 30.000 Tons/HR BG & MAGNST

Conditions for this source occur in the following groups: 003
005

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).

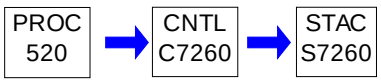
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 520 Source Name: HPS DISTRIBUTION AND STORAGE

Source Capacity/Throughput: 30.000 Tons/HR BG AND MGNST

Conditions for this source occur in the following groups: 003
005



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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IV. RECORDKEEPING REQUIREMENTS.

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).

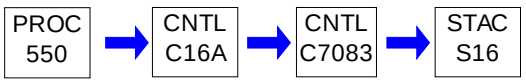
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 550 Source Name: HPS NO. 1 BALL MILL

Source Capacity/Throughput: 3.500 Tons/HR DB DLMT & MGNST

Conditions for this source occur in the following groups: 003



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.

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VI. WORK PRACTICE REQUIREMENTS.

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

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).

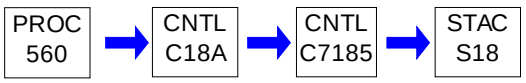
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 560 Source Name: HPS NO. 2 BALL MILL

Source Capacity/Throughput: 3.800 Tons/HR DB DLMT & MGNST

Conditions for this source occur in the following groups: 003



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).

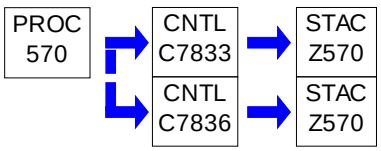
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 570 Source Name: HPS NO. 3 BALL MILL

Source Capacity/Throughput: 6.500 Tons/HR DB DLMT & MGNST

Conditions for this source occur in the following groups: 003



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).

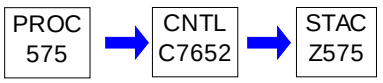
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 575 Source Name: MAGNESITE SIZING PLANT

Source Capacity/Throughput: 30.000 Tons/HR MAGNESITE/DOLOMITE

Conditions for this source occur in the following groups: 003



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).

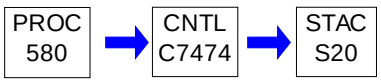
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 580 Source Name: SPECIALTIES PLANT

Source Capacity/Throughput: 30.000 Tons/HR REFRACTORY

Conditions for this source occur in the following groups: 003
005



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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IV. RECORDKEEPING REQUIREMENTS.

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).

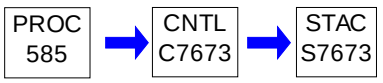
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 585 Source Name: SPECIALTIES MAGNESITE LOADOUT

Source Capacity/Throughput: 201.000 Tons/HR MAGNESITE/DOLOMITE

Conditions for this source occur in the following groups: 003



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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IV. RECORDKEEPING REQUIREMENTS.

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: 610 Source Name: EC BICKLEY PERIODIC KILN

Source Capacity/Throughput:	100.000	Lbs/HR	REFRACTORY
	10.000	MCF/HR	Natural Gas
	110.000	Gal/HR	Propane

Conditions for this source occur in the following groups: 008 MACT
018

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

Particulate matter emissions from the Source ID 610 EC periodic kiln shall not exceed 0.04 grains per dry, standard cubic foot of effluent gas.

 # 002 [25 Pa. Code §123.21]

General

Sulfur oxides emissions, expressed as sulfur dioxide, from the Source ID 610 EC periodic kiln shall not exceed a concentration of 500 parts per million, by volume, dry basis, in the effluent gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 640 Source Name: EC YORKAIRE OVEN

Source Capacity/Throughput:	1,200.000	Lbs/HR	REFRACTORY
	2.500	MCF/HR	Natural Gas
	27.500	Gal/HR	Propane

Conditions for this source occur in the following groups: 002
006
018

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

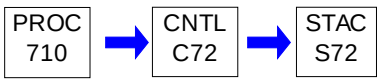
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 710 Source Name: BATCH TOWER RCVNG DBCA

Source Capacity/Throughput: 90.000 Tons/HR DOLOMITE/MAGNESITE

Conditions for this source occur in the following groups: 003
005



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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VI. WORK PRACTICE REQUIREMENTS.

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VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: 720 Source Name: BRICK CRUSHER

Source Capacity/Throughput: 5.000 Tons/HR BRICKS

Conditions for this source occur in the following groups: 003

I. RESTRICTIONS.

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VI. WORK PRACTICE REQUIREMENTS.

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VII. ADDITIONAL REQUIREMENTS.

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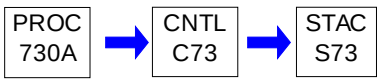
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 730A Source Name: PNEUMATIC CONV.- MAGNESITE

Source Capacity/Throughput: 15.000 Tons/HR BRN DOLOMT/ MGS

Conditions for this source occur in the following groups: 003
005



I. RESTRICTIONS.

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II. TESTING REQUIREMENTS.

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IV. RECORDKEEPING REQUIREMENTS.

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V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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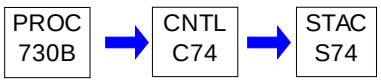
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 730B Source Name: PNEUMATIC CONV.- DOLOMITE

Source Capacity/Throughput: 15.000 Tons/HR BRN DOLOMT/MGS

Conditions for this source occur in the following groups: 003
005



I. RESTRICTIONS.

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II. TESTING REQUIREMENTS.

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IV. RECORDKEEPING REQUIREMENTS.

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V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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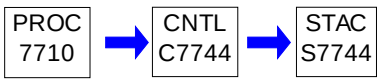
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 7710 Source Name: PELLET PLANT DRYER

Source Capacity/Throughput: 4.600 MCF/HR Natural Gas

Conditions for this source occur in the following groups: 016
018



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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IV. RECORDKEEPING REQUIREMENTS.

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V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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).

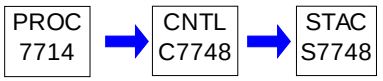
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 7714 Source Name: OTHER PELLET SYSTEM SOURCES

Source Capacity/Throughput:

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



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: 801 Source Name: CURING OVEN

Source Capacity/Throughput:	55.000	Gal/HR	Propane
	5.000	MCF/HR	Natural Gas
	15.000	Tons/HR	REFRACTORY

Conditions for this source occur in the following groups: 002
006
011 RACT 1
018
019

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

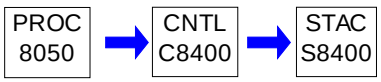
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 8050 Source Name: DRYER

Source Capacity/Throughput: 27.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: 016
018



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The facility shall limit emissions of Source ID 8050 to less than 5.0 tons NOx per 12-month rolling period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) 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 §127.512]

Operating permit terms and conditions.

The facility shall maintain documentation sufficient to demonstrate compliance with the annual emission limit and shall include emission calculations in the annual emission report.

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).

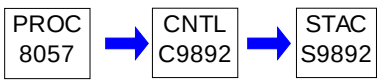
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 8057 Source Name: NO 5 BALL MILL

Source Capacity/Throughput:

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



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: 810 Source Name: TUNNEL KILN #5

Source Capacity/Throughput:	197.000	Gal/HR	Propane
	4.500	Tons/HR	FIRED REFRACTORY
	18.000	MCF/HR	Natural Gas

Conditions for this source occur in the following groups: 004
011 RACT 1
019

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

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

SECTION D. Source Level Requirements

Source ID: 820 Source Name: TUNNEL KILN #6

Source Capacity/Throughput:	218.000	Gal/HR	Propane
	4.500	Tons/HR	FIRED REFRACTORY
	20.000	MCF/HR	Natural Gas

Conditions for this source occur in the following groups: 004
011 RACT 1
019

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

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

SECTION D. Source Level Requirements

Source ID: 830 Source Name: BICKLEY PERIODIC KILN

Source Capacity/Throughput:	426.000	Gal/HR	Propane
	1,200.000	Lbs/HR	FIRED REFRACTRY
	39.000	MCF/HR	Natural Gas

Conditions for this source occur in the following groups: 002
008 MACT
011 RACT 1
019

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.512]

Operating permit terms and conditions.

Source 830 sulfur oxides emissions, expressed as sulfur dioxide, shall not exceed a concentration of 100 parts per million, by volume, dry basis, in the effluent gas.

[This restriction is a voluntary limit requested by Magnesita Refractories Company.]

Control Device Efficiency Restriction(s).

 # 002 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The kiln incinerator shall be operated as follows for each kiln cycle:

(a) The incinerator shall be started before the kiln and shall operate on high-fire mode until a minimum incinerator operating temperature of 1,200 degrees Fahrenheit is achieved.

(b) The 1,200 Fahrenheit minimum incinerator operating temperature shall be maintained until the kiln exhaust reaches a minimum temperature of 1,300 degrees Fahrenheit.

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.

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).

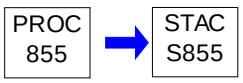
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 855 Source Name: REFRACTORY STRIPING

Source Capacity/Throughput: 1.000 Gal/HR SOLVENT

Conditions for this source occur in the following groups: 003



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION E. Source Group Restrictions.

Group Name: 001

Group Description: Rotary Kilns

Sources included in this group

ID	Name
405	NUMBER 1 ROTARY KILN (WITH O2)
415	NUMBER 2 ROTARY KILN (WITH O2)

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

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

A = 0.76 E((0.42)) where

A = allowable emissions in pounds per hour

E = emission index = F x W pounds per hour

F = 200 = process factor in pounds per unit

W = production or charging rate in units per hour

0.42 = exponent of E term

 # 002 [25 Pa. Code §123.21]

General

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

Fuel Restriction(s).

 # 003 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The sulfur content of the No. 2 fuel oil fired in the Group 001 rotary kilns shall not exceed 0.3%, by weight, as fired.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The solid fuel feed for each Group 001 kiln shall be continuously monitored via weigh scales. The permittee shall monitor the sulfur content of the solid fuel fired in each of the Group 001 rotary kilns by sampling and analyzing the fuel sulfur content across the accessible face of each stockpile prior to loading fuel into the feed bins. Alternatively, the permittee may sample and analyze the fuel sulfur content at each coal pipe at least once per day.

Records of all analyses and compliance calculations shall be maintained on-site for the most recent five-year period and shall be available to Department representatives upon request.

SECTION E. Source Group Restrictions.

 # 005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor average hourly No. 2 fuel oil consumption and fuel oil sulfur content by fuel oil analysis or fuel supplier's certification for each shipment.

IV. RECORDKEEPING REQUIREMENTS.

 # 006 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain records of all fuel oil analyses or fuel oil certifications for each shipment of fuel oil received for the most recent five-year period. These records shall be available to Department representatives upon request.

V. REPORTING REQUIREMENTS.

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

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: 002

Group Description: Ovens/Kilns w/Incinerators

Sources included in this group

ID	Name
640	EC YORKAIRE OVEN
801	CURING OVEN
830	BICKLEY PERIODIC KILN

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

Particulate matter emissions from each of the Group 002 ovens and kilns shall not exceed 0.04 grains per dry standard cubic foot of effluent gas.

 # 002 [25 Pa. Code §123.21]

General

Except for Source 830, sulfur oxides emissions, expressed as sulfur dioxide, from each of the incinerators associated with the Group 002 kilns and ovens shall not exceed a concentration of 500 parts per million, by volume, dry basis, in the effluent gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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: 003

Group Description: Sizing and Materials Handling Equipment

Sources included in this group

ID	Name
430	OLD SIZING PLANT OPERATIONS
500	HPS PROCESSING
520	HPS DISTRIBUTION AND STORAGE
550	HPS NO. 1 BALL MILL
560	HPS NO. 2 BALL MILL
570	HPS NO. 3 BALL MILL
575	MAGNESITE SIZING PLANT
580	SPECIALTIES PLANT
585	SPECIALTIES MAGNESITE LOADOUT
710	BATCH TOWER RCVNG DBCA
720	BRICK CRUSHER
730A	PNEUMATIC CONV.- MAGNESITE
730B	PNEUMATIC CONV.- DOLOMITE
855	REFRACTORY STRIPING

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

Particulate matter emissions from each of the Group 003 sources shall not exceed 0.04 grain per dry standard cubic foot of effluent gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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: 004

Group Description: Tunnel Kilns

Sources included in this group

ID	Name
810	TUNNEL KILN #5
820	TUNNEL KILN #6

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

Particulate matter emissions from each Group 004 tunnel kiln shall not exceed 0.04 grain per dry standard cubic foot of effluent gas.

 # 002 [25 Pa. Code §123.21]

General

Sulfur oxides emissions, expressed as sulfur dioxide, from each of the Group 004 kilns shall not exceed a concentration of 500 parts per million, by volume, dry basis, in the effluent gas.

 # 003 [25 Pa. Code §127.512]

Operating permit terms and conditions.

Total sulfur dioxide emissions from Tunnel Kiln #5 and from Tunnel Kiln #6 combined shall not exceed 249 tons in any consecutive twelve-month period. This is a voluntary limitation to avoid the best available retrofit technology (BART) requirements of 40 CFR 51, Subpart P.

 # 004 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee must be in compliance with the emission limitations of 40 CFR 63, Subpart SSSSS, except during periods of startup, shutdown, malfunction and RTO scheduled maintenance.
[40 CFR 63.9792(a)]

Fuel Restriction(s).

 # 005 [25 Pa. Code §127.512]

Operating permit terms and conditions.

Group 004 devices shall only be fueled by natural gas and/or propane.
[40 CFR 63, Subpart SSSSS, Table 3, Item 4.]

Control Device Efficiency Restriction(s).

 # 006 [25 Pa. Code §127.512]

Operating permit terms and conditions.

For the control device:
a. The 3-hour block average THC concentration must not exceed 20 parts per million by volume, dry basis (ppmvd), corrected to 18 percent oxygen, at the outlet of the control device; or
b. The 3-hour block average THC mass emissions rate must be reduced by at least 95 percent.
[40 CFR 63, Subpart SSSSS, Table 1, Item 2.]

II. TESTING REQUIREMENTS.

 # 007 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall submit a test plan and a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin, as required in 40 CFR 63.7(c)(2)(iv) to the PADEP Southcentral Regional Manager of Air Quality and U.S. EPA Region 3 for approval.
[40 CFR 63.9812(d)]

SECTION E. Source Group Restrictions.

The permittee shall submit three (3) copies of the complete test report within 60 calendar days after completion of the test program to the PADEP Southcentral Regional Manager of Air Quality and one (1) copy to U.S. EPA Region 3.
[40 CFR 63.9812(e) and 40 CFR 63.7(g)(1)]

During testing all pertinent and supplemental process and control data must be recorded and included in the final test report. All process and control device data must be summarized on a run-to-run basis. All testing shall comply with 40 CFR 63, Subpart SSSSS, Table 4.
[40 CFR 63.7(e)]

 # 008 [25 Pa. Code §127.512]

Operating permit terms and conditions.

(a) A minimum of once every five years the permittee shall conduct a performance test to demonstrate compliance with the THC limit provided in Condition #006 for Group 004 sources. All testing shall comply with 40 CFR 63, Subpart SSSSS.
(b) The permittee must conduct a performance test in order to change the parameter value for any operating limit specified in the OM&M plan.
(c) The permittee must conduct a performance test on the source(s) before starting production of any refractory product for which the organic HAP processing rate is likely to exceed by more than 10 percent the maximum organic HAP processing rate established during the most recent performance test on that same source.
(d) Not applicable to Group 004 sources.
(e) Not applicable to Group 004 sources.
[40 CFR 63.9798 and 40 CFR 63, Subpart SSSSS, Table 4]

III. MONITORING REQUIREMENTS.

 # 009 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall maintain the 3-hour block average organic HAP processing rate (pounds per hour) at or below the maximum organic HAP processing rate established during the most recent performance test. To determine compliance with the maximum organic HAP processing rate, the permittee shall monitor the organic HAP processing rate (pounds per hour) while the sources are operating and a product containing HAPs is in a Group 004 kiln.
[40 CFR 63, Subpart SSSSS, Table 2, Item 4.]

 # 010 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall monitor the temperature of Group 004 affected sources at least hourly while the sources are operating and product containing HAPs is in the oven to determine compliance with the required operating temperature.
[40 CFR 63, Subpart SSSSS, Table 8, Item 4.]

 # 011 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall demonstrate continuous compliance in monitoring and collecting data in accordance with 40 CFR 63.9808 requirements given in Section C.

 # 012 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall measure the combustion chamber temperature at least once every 15 minutes while a source is operating and a product containing HAPs is in the kiln to determine compliance with the required operating temperature.
[40 CFR 63, Subpart SSSSS, Table 8, Item 5]

The RTO combustion chamber temperature monitoring system shall be installed, operated and maintained in accordance with 40 CFR 63.9804.

IV. RECORDKEEPING REQUIREMENTS.

 # 013 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall record the temperature of the control device combustion chamber(s) with a continous recorder, maintain the data for the most recent five year period, and make it available to the Department upon request. The temperature recorder must be installed, operated and maintained in accordance with 40 CFR 63.9804 requirements for a CPMS (Continuous Parameter Monitoring System) given in Section C.

SECTION E. Source Group Restrictions.

 # 014 [25 Pa. Code §127.512]

Operating permit terms and conditions.

To show compliance with the 249 ton limit, for Group 004 tunnel kilns the permittee shall calculate and record sulfur dioxide emissions for each calendar month and sulfur dioxide emissions for each consecutive 12-month period. These records shall be kept for a period of five (5) years and shall be made available to the Department upon request.

 # 015 [25 Pa. Code §127.512]

Operating permit terms and conditions.

To demonstrate compliance with the maximum organic HAP processing rate, the permittee shall calculate and record the 3-hour block average organic HAP processing rate (pounds per hour) for Group 004 kilns while a product containing HAP is in a kiln.
[40 CFR 63, Subpart SSSSS, Table 2, Item 4 and Table 8, Item 4]

 # 016 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall monthly calculate and record the RTO preventative maintenance downtime for the past month. The permittee shall monthly calculate and record the rolling total of RTO preventative maintenance downtime for the most recent twelve-month period.
[40 CFR 63.9816(c)(8)]

 # 017 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall maintain the following records:
a. A copy of each notification and report submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status submitted, according to the requirements in 40 CFR 63.10(b)(2).
b. The records in 40 CFR 63.6(e) related to startup, shutdown, and malfunction.
c. Records of performance tests as required in 40 CFR 63.10(b)(2).
d. The records required in 40 CFR 63 Subpart SSSSS, Tables 7 through 9.
e. Records of emission data used to develop an emissions profile, as indicated in 40 CFR 63 Subpart SSSSS, Table 4, Item 6(a).
f. Records that document the compliance with any applicable work practice standard.
g. For each deviation of an operating limit parameter value, the date, time, and duration of the deviation, a brief explanation of the cause of the deviation and the corrective action taken, and whether the deviation occurred during a period of startup, shutdown, or malfunction.
h. For each affected source, records of production rate on a process throughput basis (either feed rate to the process unit or discharge rate from the process unit).
i. Records of any approved alternative monitoring method(s) or test procedure(s).
j. Records of maintenance activities and inspections performed on control devices, including all records associated with the scheduled maintenance of continuous kiln control devices, as specified in 40 CFR 63.9792(e).
k. Current copies of the SSMP and the OM&M plan, including any revisions and records documenting conformance with those revisions.

 # 018 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall maintain records in a form suitable and readily available for expeditious review for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee must keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee may keep the records offsite for the remaining 3 years.
[40 CFR 63.10(b)(1) and 40 CFR 63.9818]

V. REPORTING REQUIREMENTS.

 # 019 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee must submit semiannual compliance reports. The reports must cover the periods beginning on January 1 and ending on June 30 of each year and beginning on July 1 and ending on December 31 of each year. Compliance reports must be postmarked or delivered no later than July 31 or January 31 for compliance periods ending on June 30 and December 31, respectively.
[40 CFR 63.9814(b)(3) & (4)]

SECTION E. Source Group Restrictions.

(c) Each compliance report must include:
(c)(1) Company name and address.
(c)(2) Statement by a responsible official with that official's name, title, and signature, certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
(c)(3) Date of report and beginning and ending dates of the reporting period.
(c)(4) If there was a startup, shutdown, or malfunction during the reporting period, and actions taken were consistent with the SSMP and OM&M plan, this information must be summarized in the compliance report.
(c)(5) If there are no deviations from any emission limitations (emission limit, operating limit, or work practice standard), the compliance report must include a statement that there were no deviations from the emission limitations during the reporting period.
(c)(6) If there were no periods during which the temperature sensing and recording system was out of control, the compliance report must include a statement that there were no periods during which the the temperature sensing and recording system was out of control during the reporting period.
(e) For each deviation from an emission limitation (emission limit, operating limit, or work practice standard) the compliance report must also include:
(e)(1) The total operating time of each affected source during the reporting period.
(e)(2) The date and time that each startup, shutdown, or malfunction started and stopped.
(e)(3) The date, time, and duration that each temperature sensing and recording system was inoperative.
(e)(4) The date, time and duration that each temperature sensing and recording system was out of control, including corrective action taken.
(e)(5) The date and time that each deviation from an emission limitation (emission limit, operating limit, or work practice standard) started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction.
(e)(6) A description of corrective action taken in response to a deviation.
(e)(7) A summary of the total duration of the deviations during the reporting period and the total duration as a percentage of the total source operating time during that reporting period.
(e)(8) A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.
(e)(9) A summary of the total duration of temperature sensing and recording system downtime during the reporting period and the total duration of temperature sensing and recording system downtime as a percentage of the total source operating time during that reporting period.
(e)(10) A brief description of the process units.
(e)(11) A brief description of the temperature sensing and recording system.
(e)(12) The date of the latest temperature sensing and recording system initial validation or accuracy audit.
(e)(13) A description of any changes in temperature sensing and recording system, processes, or controls since the last reporting period.
[40 CFR 63.9814.]

 # 020 [25 Pa. Code §127.512]

Operating permit terms and conditions.

During startup, shutdown, or a malfunction, if a source exceeds any applicable emission limitation and actions taken were not consistent with the procedures specified in the affected source's startup, shutdown, and malfunction plan, the permittee shall report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan followed by a letter within 7 working days after the end of the event. The immediate report required under this paragraph shall consist of a telephone call (or facsimile (FAX) transmission) to the Administrator within 2 working days after commencing actions inconsistent with the plan, and it shall be followed by a letter, delivered or postmarked within 7 working days after the end of the event, that contains the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, describing all excess emissions and/or parameter monitoring exceedances which are believed to have occurred (or could have occurred in the case of malfunctions), and actions taken to minimize emissions.
[40 CFR 63, Subpart SSSSS, Table 10, Item 2]

VI. WORK PRACTICE REQUIREMENTS.

 # 021 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall conduct annually an inspection of all duct work, vents, and capture devices to verify that no leaks exist and that the capture device is operating such that all emissions are properly vented to the control device in accordance with

SECTION E. Source Group Restrictions.

the OM&M plan.
[40 CFR 63, Subpart SSSSS, Table 8, Item 1(ii)]

 # 022 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall operate each control device that is required to comply with 40 CFR 63, Subpart SSSSS on each affected source during all periods that the source is operating and a product containing HAPs is in the oven, except where specified in 40 CFR 63.9792(e) and 40 CFR 63 Subpart SSSSS, Table 2, Item 2 for allowable preventative maintenance, and 40 CFR 63, Subpart SSSSS, Table 4, Item 13(a) during the conduct of performance testing.
[40 CFR 63, Subpart SSSSS, Table 2, Item 1(c)]

 # 023 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall capture emissions and vent them through a closed system.
[40 CFR 63, Subpart SSSSS, Table 2, Item 1(b)]

 # 024 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The 3-hour block average operating temperature in the combustion chamber(s) of the control device shall be maintained at or above the minimum allowable operating temperature for the thermal oxidizer established during the most recent performance test.
[40 CFR 63, Subpart SSSSS, Table 2, Item 5.]

The minimum allowable operating temperature shall be determined in the manner specified in 40 CFR 63, Subpart SSSSS, Table 4, Item 6.

 # 025 [25 Pa. Code §127.512]

Operating permit terms and conditions.

As requested in Plan Approval Application 67-05001D, each kiln may be operated 750 hours per year without the RTO for preventive maintenance. Otherwise the operation of the kilns is contingent upon the proper operation of the RTO. For this restriction, a year is defined as a twelve-month rolling time period.

The permittee must notify the Department before taking the control device (RTO) out of service for scheduled maintenance. The permittee shall minimize HAP emissions from the affected kiln(s) during all periods of scheduled maintenance of the kiln control device (RTO) when the kiln(s) is/are operating and the control device is out of service. The permittee shall minimize the duration of all periods of scheduled maintenance of the kiln control device (RTO) when the kiln(s) is/are operating and the control device is out of service. Department notification may be made by e-mail to both the air quality inspector and to the Southcentral Regional Air Quality staff.
[40 CFR 63, Subpart SSSSS, Table 2, Item 2.]

VII. ADDITIONAL REQUIREMENTS.

 # 026 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Group 004 tunnel kilns are subject to provisions of 40 CFR Part 63, Subparts SSSSS of the National Emission Standards for Hazardous Air Pollutants for Refractory Manufacturing and shall comply with all applicable provisions of the Subparts. All notifications, reports, applications, submittals and other communications related to 40 CFR Part 63 compliance shall be forwarded to both the Department and EPA. The EPA copies shall be forwarded to:

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

The Department copies shall be forwarded to:

Regional Air Program Manager

SECTION E. Source Group Restrictions.

PA Department of Environmental Protection
909 Elmerton Avenue
Harrisburg, PA 17110-8200

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

 # 027 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee must also comply with the applicable requirements of Subpart A of 40 CFR 63 as noted in Table 11 of 40 CFR 63 Subpart SSSSS.
[40 CFR 63, Subpart SSSSS, Table 11]

 # 028 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee must prepare a written startup, shutdown, and malfunction (SS&M) plan according to the provisions in 40 CFR 63.6(e)(3).
[40 CFR 63.9792(c).]

 # 029 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee must prepare, maintain and implement a written operation, maintenance, and monitoring (OM&M) plan according to the requirements in 40 CFR 63.9794.
[40 CFR 63.9792(d).]

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

SECTION E. Source Group Restrictions.

Group Name: 005

Group Description: CAM for Baghouses

Sources included in this group

ID	Name
402	DOLOMITE CONVEYOR
405	NUMBER 1 ROTARY KILN (WITH O2)
415	NUMBER 2 ROTARY KILN (WITH O2)
430	OLD SIZING PLANT OPERATIONS
500	HPS PROCESSING
520	HPS DISTRIBUTION AND STORAGE
580	SPECIALTIES PLANT
710	BATCH TOWER RCVNG DBCA
730A	PNEUMATIC CONV.- MAGNESITE
730B	PNEUMATIC CONV.- DOLOMITE

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 §127.512]

Operating permit terms and conditions.

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

(a) The permittee shall use the following process parameters to monitor baghouse performance:
(1) Pressure differential across C1964 (405 - Rotary Kiln #1) between 0.25 and 13.0 inches water column.
(2) Air temperature less than 550F entering C1964 from Rotary Kiln #1.
(3) Pressure differential across C1690 (415 - Rotary Kiln #2) between 0.25 and 10.0 inches water column.
(4) Air temperature less than 550F entering C1690 from Rotary Kiln #2.
(5) Pressure differential across C1470 (430 - Old Sizing Plant) between 0.25 and 10.0 inches water column.
(6) Pressure differential across C7200 (500 - HPS Processing) between 0.25 and 10.0 inches water column.
(7) Pressure differential across C7260 (520 - HPS Distribution & Storage) between 0.25 and 13.0 inches water column.
(8) Pressure differential across C7474 (580 - HPS Specialties Plant) between 0.25 and 10.0 inches water column.
(9) Pressure differential across C72 (710 - Batch Tower Receiving DBCA) between 0.25 and 10.0 inches water column.
(10) Pressure differential across C73 (730A - Pneumatic Conv. - Magnesite) between 0.25 and 10.0 inches water column.
(11) Pressure differential across C74 (730B - Pneumatic Conv. - Dolomite) between 0.25 and 10.0 inches water column.
(12) Pressure differential across C402 (402 - Dolomite Conveyor) between 0.25 and 10.0 inches water column.

(b) The permittee shall operate and maintain the following monitoring equipment to measure the process parameters described in (a), above:
(1) Magnahelic gauge or equivalent to measure the pressure differential across each baghouse.
(2) Thermocouple or equivalent to measure air temperature entering baghouses C1690 and C1964.

(c) The permittee shall monitor the process parameters described in (a), above, once per day while each source and its baghouse are operating.

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.512]

Operating permit terms and conditions.

SECTION E. Source Group Restrictions.

The permitee shall maintain detailed records of all maintenance performed on the baghouses. The permitee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

 # 003 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is derived from 40 CFR Part 64, Section 64.9.]

(a) The permittee shall maintain records of the following information:
(1) Daily readings of the process parameters listed in Item #001(a) of Group 005 (CAM for Baghouses).
(2) The permittee shall record all excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken. NOTE: Excursion is defined as a departure from an indicator range established for monitoring under this part.
(3) The permittee shall record all inspections, repairs and maintenance performed on the process parameter monitoring equipment.
(4) The permittee shall maintain records of all monitoring equipment down time incidents (other than down time associated with accuracy checks or calibration checks). The permittee shall also record the dates, times and durations, possible causes and corrective actions taken for the incidents.

(b) The permittee shall keep all records for a period of five (5) years and make the records available to the Department upon request.

V. REPORTING REQUIREMENTS.

 # 004 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is derived from 40 CFR Part 64, Section 64.9.]

(a) The permittee shall report all excursions and corrective actions taken, the dates, times, durations and possible causes, every six (6) months.

(b) The permittee shall report all monitoring equipment down time incidents (other than down time associated with accuracy checks or calibration checks), their dates, times and durations, possible causes and corrective actions taken, every six (6) months.

(c) These reports shall be made to the Air Quality District Supervisor.

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §127.512]

Operating permit terms and conditions.

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

(a) A departure from the baghouse parameter ranges shall be defined as an excursion. Failure to perform daily monitoring/record keeping of any process parameter shall also be defined as an excursion.
(b) The permittee shall operate and maintain the monitoring equipment to measure baghouse process parameters.
(c) The permittee shall calibrate and check the accuracy of monitoring equipment in accordance with manufacturer's recommended time intervals. The permittee shall check all process parameter monitoring equipment a minimum of once per year to ensure measurement accuracy. Monitoring equipment that is not operating with a measurement accuracy that meets manufacturer's specifications shall be repaired or replaced with new calibrated monitoring equipment. Results of the monitoring equipment measurement accuracy checks shall be retained on site for a minimum of five (5) years and made available to the Department upon request.
(d) The permittee shall maintain spare monitoring equipment and related parts on site for routine repairs/replacement.

 # 006 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permitee shall operate a fabric collector at all times that its source is operating.

SECTION E. Source Group Restrictions.

 # 007 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permitee shall operate each baghouse with its source in accordance with the manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

 # 008 [25 Pa. Code §127.512]

Operating permit terms and conditions.

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

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

(1) Six excursions for any given 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) The QIP should be developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee 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.

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

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

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

(e) 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.

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

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

SECTION E. Source Group Restrictions.

Group Name: 006

Group Description: Subpart SSSSS - Catalytic

Sources included in this group

ID	Name
640	EC YORKAIRE OVEN
801	CURING OVEN

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.512]

Operating permit terms and conditions.

If a Group 006 source is a batch process (such as Source 640) that uses process changes to reduce organic HAP emissions, the 2-run block average THC concentration for the 3-hour peak emissions period must not exceed 20 ppmvd, corrected to 18 percent oxygen, at the outlet of the process gas stream.
[40 CFR 63, Subpart SSSSS, Table 1, Item 8.]

If a Group 006 source is a continuous process (such as Source 801) that uses process changes to reduce organic HAP emissions, the 3-hour block average THC concentration must not exceed 20 parts per million by volume, dry basis (ppmvd), corrected to 18 percent oxygen, at the outlet of the process gas stream.
[40 CFR 63, Subpart SSSSS, Table 1, Item 4.]

 # 002 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee must be in compliance with the emission limitations of 40 CFR 63, Subpart SSSSS, except during periods of startup, shutdown, malfunctions and scheduled maintenance.
[40 CFR 63.9792(a)]

Control Device Efficiency Restriction(s).

 # 003 [25 Pa. Code §127.512]

Operating permit terms and conditions.

If a Group 006 source is a batch process (such as Source 640) controlled with a catalytic oxidizer:
a. The 2-run block average THC concentration for the 3-hour peak emissions period must not exceed 20 ppmvd, corrected to 18 percent oxygen, at the outlet of the control device; or
b. The 2-run block average THC mass emissions rate for the 3-hour peak emissions period must be reduced by at least 95 percent.
[40 CFR 63, Subpart SSSSS, Table 1, Item 6.]

If a Group 006 source is a continuous process (such as Source 801) controlled with a catalytic oxidizer:
a. The 3-hour block average THC concentration must not exceed 20 parts per million by volume, dry basis (ppmvd), corrected to 18 percent oxygen, at the outlet of the control device; or
b. The 3-hour block average THC mass emissions rate must be reduced by at least 95 percent.
[40 CFR 63, Subpart SSSSS, Table 1, Item 2.]

II. TESTING REQUIREMENTS.

 # 004 [25 Pa. Code §127.512]

Operating permit terms and conditions.

a. A minimum of once every 5 years the permittee shall conduct a performance test.
b. The permittee must conduct a performance test in order to change the parameter value for any operating limit specified in the O&M plan.
c. The permittee must conduct a performance test on the source(s) before starting production of any refractory product for which the organic HAP processing rate is likely to exceed by more than 10 percent the maximum organic HAP processing rate established during the most recent performance test on that same source.
d. Not applicable to Group 006.
e. Not applicable to Group 006.

SECTION E. Source Group Restrictions.

[40 CFR 63.9798 and 40 CFR 63, Subpart SSSSS, Table 4]

 # 005 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall submit a test plan and a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin, as required in 40 CFR 63.7(b)(1) to the PADEP Southcentral Regional Manager of Air Quality and U.S. EPA Region 3 for approval.
[40 CFR 63.9812(d), 40 CFR 63.7(b)(1) and 40 CFR 63.7(c)(2)(i)]

The permittee shall submit three (3) copies of the complete test report within 60 calendar days after completion of the test program to the PADEP Southcentral Regional Manager of Air Quality and one (1) copy to U.S. EPA Region 3.
[40 CFR 63.9812(e) and 40 CFR 63.7(g)]

During testing all pertinent and supplemental process and control data must be recorded and included in the final test report. All process and control device data must be summarized on a run-to-run basis. All testing shall comply with 40 CFR 63, Subpart SSSSS, Table 4.
[40 CFR 63.7(e)]

III. MONITORING REQUIREMENTS.

 # 006 [25 Pa. Code §127.512]

Operating permit terms and conditions.

If a Group 006 source is a continuous process (such as Source 801) controlled with a catalytic oxidizer the permittee shall monitor the organic HAP processing rate (pounds per hour) of the affected source while the source is operating and a product containing HAPs is in the oven to determine compliance with the required HAP processing rate.

If a Group 006 source is a batch process (such as Source 640) controlled with a catalytic oxidizer:
a. The permittee shall monitor the organic HAP processing rate (pounds per hour) of the affected source while the source is operating and a product containing HAPs is in the oven to determine compliance with the required HAP processing rate and
b. The permittee shall monitor process cycle time for each batch cycle of an affected source while the source is operating and a product containing HAPs is in the oven to determine compliance with the required HAP processing rate.
[40 CFR 63, Subpart SSSSS, Table 8, Items 4 and 7]

 # 007 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall demonstrate continuous compliance in monitoring and collecting data in accordance with 40 CFR 63.9808 requirements given in Section C.

 # 008 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall measure the oxidizer catalyst bed inlet temperature at least once every 15 minutes while the sources are operating and a product containing HAPs is in the oven to determine compliance with the required operating temperature.
[40 CFR 63.9808 and 40 CFR 63, Subpart SSSSS, Table 8, Items 6 and 8.]

The oxidizer catalyst bed inlet temperature monitoring system shall be installed, operated, and maintained in accordance with 40 CFR 63.9804.

 # 009 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall monitor the temperature of the affected source(s) at least hourly while the source(s) are operating with a product containing HAPs in the oven to determine compliance with the required operating temperature.
[40 CFR 63.9808 and 40 CFR 63, Subpart SSSSS, Table 8, Items 4 and 7]

IV. RECORDKEEPING REQUIREMENTS.

 # 010 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee maintain records in a form suitable and readily available for expeditious review for 5 years following the date

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of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee must keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee may keep the records offsite for the remaining 3 years.
[40 CFR 63.9818 and 40 CFR 63.10(b)(1)]

 # 011 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall record the oxidizer catalyst bed inlet temperature with a continuous recorder.

The temperature recorder must be installed, operated and maintained in accordance with 40 CFR 63.9804 requirements for a CPMS (Continuous Parameter Monitoring System) given in Section C.

 # 012 [25 Pa. Code §127.512]

Operating permit terms and conditions.

If a Group 006 source is a continuous process (such as Source 801) controlled with a catalytic oxidizer, the permittee shall record the organic HAP processing rate (pounds per hour) of the affected source while the source is operating to determine compliance with the required HAP processing rate.

If a Group 006 source is a batch process (such as Source 640) controlled with a catalytic oxidizer:
a. The permittee shall record the organic HAP processing rate (pounds per hour) of the affected source while the sources are operating to determine compliance with the required HAP processing rate and
b. The permittee shall record the process cycle time for each batch cycle of the affected source while the sources are operating to determine compliance with the required HAP processing rate.
[40 CFR 63, Subpart SSSSS, Table 7, Items 6 and 7]

 # 013 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall maintain the following records:
a. 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 requirements in 40 CFR 63.10(b)(2)(xiv).
b. The records in 40 CFR 63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.
c. Records of performance tests as required in 40 CFR 63.10(b)(2)(viii).
d. The records required in 40 CFR 63 Subpart SSSSS, Tables 7 through 9.
e. For the batch process 640, records of emission data used to develop an emissions profile, as indicated in 40 CFR 63 Subpart SSSSS, Table 4 Items 8(a)(i)(4) and 17(b)(i)(4).
f. Records that document the compliance with any applicable work practice standard.
g. For each deviation of an operating limit parameter value, the date, time, and duration of the deviation, a brief explanation of the cause of the deviation and the corrective action taken, and whether the deviation occurred during a period of startup, shutdown, or malfunction.
h. For each affected source, records of production rate on a process throughput basis (either feed rate to the process unit or discharge rate from the process unit).
i. Records of any approved alternative monitoring method(s) or test procedure(s).
j. Current copies of the SSMP and the OM&M plan, including any revisions and records documenting conformance with those revisions.

V. REPORTING REQUIREMENTS.

 # 014 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee must submit each applicable report in Table 10 of 40 CFR 63, Subpart SSSSS.
[40 CFR 63.9814(a)]

 # 015 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee must submit semiannual compliance reports. The reports must cover the periods beginning on January 1 and ending on June 30 of each year and beginning on July 1 and ending on December 31 of each year. Compliance reports must be postmarked or delivered no later than July 31 or January 31 for compliance periods ending on June 30 and December 31, respectively.
[40 CFR 63.9814(b)(3) & (4)]

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(c) Each compliance report must include:
(c)(1) Company name and address.
(c)(2) Statement by a responsible official with that official's name, title, and signature, certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
(c)(3) Date of report and beginning and ending dates of the reporting period.
(c)(4) If there was a startup, shutdown, or malfunction during the reporting period, and actions taken were consistent with the SSMP and OM&M plan, this information must be summarized in the compliance report.
(c)(5) If there are no deviations from any emission limitations (emission limit, operating limit, or work practice standard), the compliance report must include a statement that there were no deviations from the emission limitations during the reporting period.
(c)(6) If there were no periods during which the temperature sensing and recording system was out of control, the compliance report must include a statement that there were no periods during which the the temperature sensing and recording system was out of control during the reporting period.
(e) For each deviation from an emission limitation (emission limit, operating limit, or work practice standard) the compliance report must also include:
(e)(1) The total operating time of each affected source during the reporting period.
(e)(2) The date and time that each startup, shutdown, or malfunction started and stopped.
(e)(3) The date, time, and duration that each temperature sensing and recording system was inoperative.
(e)(4) The date, time and duration that each temperature sensing and recording system was out of control, including corrective action taken.
(e)(5) The date and time that each deviation from an emission limitation (emission limit, operating limit, or work practice standard) started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction.
(e)(6) A description of corrective action taken in response to a deviation.
(e)(7) A summary of the total duration of the deviations during the reporting period and the total duration as a percentage of the total source operating time during that reporting period.
(e)(8) A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.
(e)(9) A summary of the total duration of temperature sensing and recording system downtime during the reporting period and the total duration of temperature sensing and recording system downtime as a percentage of the total source operating time during that reporting period.
(e)(10) A brief description of the process units.
(e)(11) A brief description of the temperature sensing and recording system.
(e)(12) The date of the latest temperature sensing and recording system initial validation or accuracy audit.
(e)(13) A description of any changes in temperature sensing and recording system, processes, or controls since the last reporting period.
[40 CFR 63.9814.]

 # 016 [25 Pa. Code §127.512]

Operating permit terms and conditions.

During startup, shutdown, or a malfunction, if the source to exceeds any applicable emission limitation and the actions taken are not consistent with the procedures specified in the affected source's startup, shutdown, and malfunction plan, the permittee shall report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan followed by a letter within 7 working days after the end of the event. The immediate report required under this paragraph shall consist of a telephone call (or facsimile (FAX) transmission) to the Administrator within 2 working days after commencing actions inconsistent with the plan, and it shall be followed by a letter, delivered or postmarked within 7 working days after the end of the event, that contains the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, describing all excess emissions and/or parameter monitoring exceedances which are believed to have occurred (or could have occurred in the case of malfunctions), and actions taken to minimize emissions.
[40 CFR 63, Subpart SSSSS, Table 10, Item 2]

VI. WORK PRACTICE REQUIREMENTS.

 # 017 [25 Pa. Code §127.512]

Operating permit terms and conditions.

If a Group 006 source is a continuous process (such as Source 801) controlled with a catalytic oxidizer, the permittee shall:
a. Maintain the 3-hour block average operating temperature at the inlet of the catalyst bed of the oxidizer at or above the

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minimum allowable operating temperature for the oxidizer established during the most recent performance test; and
b. Check the activity level of the catalyst at least every 12 months and take any necessary corrective action, such as replacing the catalyst, to ensure that the catalyst is performing as designed
c. Maintain process operating parameters within the limits established during the most recent performance test
[40 CFR 63, Subpart SSSSS, Table 2, Item 6 and Table 8, Items 4 and 6]

If a Group 006 source is a batch process (such as Source 640) controlled with a catalytic oxidizer, the permittee shall:
a. From the start of each batch cycle until 3 hours have passed since the process unit reached maximum temperature, maintain the hourly average operating temperature at the inlet of the catalyst bed at or above the minimum allowable operating temperature established for the corresponding period during the most recent performance test, and
b. For each subsequent hour of the batch cycle, maintain the hourly average operating temperature at the inlet of the catalyst bed at or above the minimum allowable operating temperature established for the corresponding hour during the most recent performance test, and
c. Check the activity level of the catalyst at least every 12 months
d. Maintain process operating parameters within the limits established during the most recent performance test.
[40 CFR 63, Subpart SSSSS, Table 2, Item 9 and Table 8, Item 7 and 9.]

The minimum operating temperature is defined as average of the temperature at the inlet of the catalyst bed for the three most recent performance test runs, minus 25 degrees F.
[40 CFR 63, Subpart SSSSS, Table 4, Items 7(4) and 12(4)]

 # 018 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall conduct annually an inspection of all duct work, vents, and capture devices to verify that no leaks exist and that the capture device is operating such that all emissions are properly vented to the control device in accordance with the OM&M plan.
[40 CFR 63, Subpart SSSSS, Table 8, Item 1(ii)]

 # 019 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall capture emissions and vent them through a closed system.
[40 CFR 63, Subpart SSSSS, Table 2, Item 1(b)]

 # 020 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall operate each control device that is required to comply with 40 CFR 63, Subpart SSSS on each affected source during all periods that the source is operating and a product containing HAPs is in the oven, except where specified in 40 CFR 63.9792(e) and 40 CFR 63 Subpart SSSSS, Table 2, Item 2 for allowable scheduled maintenance, and 40 CFR 63, Subpart SSSSS, Table 4, Item 13(a) during the conduct of performance testing.
[40 CFR 63, Subpart SSSSS, Table 2, Item 1(c)]

 # 021 [25 Pa. Code §127.512]

Operating permit terms and conditions.

If a Group 006 source is a continuous process (such as Source 801) controlled with a catalytic oxidizer, the permittee shall maintain the 3-hour block average organic HAP processing rate at or below the maximum organic HAP processing rate established during the most recent performance test.
[40 CFR 63, Subpart SSSSS, Table 8, Item 4(iii)]

If a Group 006 source is a batch process (such as Source 640) controlled with a catalytic oxidizer, the permittee shall maintain the 3-hour block average organic HAP processing rate at or below the maximum organic HAP processing rate established during the most recent performance test.
[40 CFR 63, Subpart SSSSS, Table 8, Item 7(iv)]

VII. ADDITIONAL REQUIREMENTS.

 # 022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Group 006 catalytic units are subject to provisions of 40 CFR Part 63, Subparts SSSSS of the National Emission Standards for Hazardous Air Pollutants for Refractory Manufacturing and shall comply with all applicable provisions of the Subparts. All notifications, reports, applications, submittals and other communications related to 40 CFR Part 63

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compliance shall be forwarded to both the Department and EPA. The EPA copies shall be forwarded to:

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

The Department copies shall be forwarded to:

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

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

 # 023 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee must prepare a written startup, shutdown, and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3).
[40 CFR 63.9792(c)]

 # 024 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee must prepare, maintain and implement a written operation, maintenance, and monitoring plan (OM&M) according to the provisions in 40 CFR 63.9794.
[40 CFR 63.9792(d)]

 # 025 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee must also comply with the applicable requirements of Subpart A of 40 CFR 63 as noted in Table 11 of 40 CFR 63 Subpart SSSSS.
[40 CFR 63.9792(f) and 40 CFR 63, Subpart SSSSS, Table 11]

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

SECTION E. Source Group Restrictions.

Group Name: 007 MACT

Group Description: Subpart AAAAA

Sources included in this group

ID	Name
402	DOLOMITE CONVEYOR
405	NUMBER 1 ROTARY KILN (WITH O2)
407	NO. 1 KILN BURNT DOLOMITE COOLER
415	NUMBER 2 ROTARY KILN (WITH O2)
417	NO. 2 KILN BURNT DOLOMITE COOLER

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

What This Subpart Covers

§63.7080 What is the purpose of this subpart?

This subpart establishes national emission standards for hazardous air pollutants (NESHAP) for lime manufacturing plants. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations.

§63.7081 Am I subject to this subpart?

(a) You are subject to this subpart if you own or operate a lime manufacturing plant (LMP) that is a major source, or that is located at, or is part of, a major source of hazardous air pollutant (HAP) emissions, unless the LMP is located at a kraft pulp mill, soda pulp mill, sulfite pulp mill, beet sugar manufacturing plant, or only processes sludge containing calcium carbonate from water softening processes.

(1) An LMP is an establishment engaged in the manufacture of lime product (calcium oxide, calcium oxide with magnesium

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oxide, or dead burned dolomite) by calcination of limestone, dolomite, shells or other calcareous substances.

(2) A major source of HAP is a plant site that emits or has the potential to emit any single HAP at a rate of 9.07 megagrams (10 tons) or more per year or any combination of HAP at a rate of 22.68 megagrams (25 tons) or more per year from all emission sources at the plant site.

(b) [Reserved]

§63.7082 What parts of my plant does this subpart cover?

(a) This subpart applies to each existing or new lime kiln(s) and their associated cooler(s), and processed stone handling (PSH) operations system(s) located at an LMP that is a major source.

(b)-(d) [NA-SOURCES ARE EXISTING]

(e) An existing lime kiln is any lime kiln, and (if applicable) its associated lime cooler, that does not meet the definition of a new kiln of paragraph (b) of this section. [LMP INCLUDES IDS 405, 407, 415, & 417]

(f) An existing PSH operations system is any PHS operations system that does not meet the definition of a new PSH operations system in paragraph (c) of this section. [PSH INCLUDES ID 402]

(g) A PSH operations system includes all equipment associated with PSH operations beginning at the processed stone storage bin(s) or open storage pile(s) and ending where the processed stone is fed into the kiln. It includes man-made processed stone storage bins (but not open processed stone storage piles), conveying system transfer points, bulk loading or unloading systems, screening operations, surge bins, bucket elevators, and belt conveyors. No other materials processing operations are subject to this subpart.

(h) Nuisance dust collectors on lime coolers are part of the lime materials processing operations and are not covered by this subpart.

(i) Lime hydrators are not subject to this subpart.

(j) Open material storage piles are not subject to this subpart.

§63.7083 When do I have to comply with this subpart?

(a) [NA-NOT A NEW AFFECTED FACILITY]

(b) If you have an existing affected source, you must comply with the applicable emission limitations for the existing affected source, and you must have completed all applicable performance tests no later than January 5, 2007, except as noted in paragraphs (e)(1) and (2) of this section.

(c)[NA-FACILITY IS MAJOR SOURCE OF HAP]

(d) You must meet the notification requirements in §63.7130 according to the schedule in §63.7130 and in subpart A of this part. Some of the notifications must be submitted before you are required to comply with the emission limitations in this subpart.

(e)(1) If your affected source commenced construction or reconstruction on or before September, 16, 2019, then the compliance date for the revised requirements promulgated at §§63.7090, 63.7100, 63.7112, 63.7113, 63.7121, 63.7130, 63.7131, 63.7132, 63.7140, 63.7141, 63.7142, and 63.7143 and Tables 2, 3, 4, 5, 7, 8 and 9 (except changes to the cross references to 63.6(f)(1) and (h)(1)) of 40 CFR 63, subpart AAAAA, published on July 24, 2020 is January 20, 2021.

(2) [NA-SOURCES NOT CONTRUCTED OR RECONSTRUCTED AFTER 9/16/2019]

[69 FR 416, Jan. 5, 2004, as amended at 85 FR 44977, July 24, 2020]

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Emission Limitations

§63.7090 What emission limitations must I meet?

(a) You must meet each emission limit in Table 1 to this subpart that applies to you.

TABLE 1 REQUIREMENTS

As required in §63.7090(a), you must meet each emission limit in the following table that applies to you, except for kilns and coolers during startup and shutdown (See Table 2 for emission limits for kilns and coolers during startup and shutdown).

Item 1: For existing lime kilns and their associated lime coolers that did not have a wet scrubber installed and operating prior to January 5, 2004, you must meet the following emission limit: PM emissions must not exceed 0.12 pounds per ton of stone feed (lb/tsf). [ITEM 1 APPLIES TO SOURCE IDS 405, 407, 415 AND 417]

Item 5: For stack emissions from all PSH operations at a new or existing affected source you must meet the following emission limit: PM emissions must not exceed 0.05 grams per dry standard cubic meter (g/dscm). [ITEM 5 APPLIES TO SOURCE ID 402]

Item 6: For stack emissions from all PSH operations at a new or existing affected source, unless the stack emissions are discharged through a wet scrubber control device, you must meet the following emission limit: Emissions must not exceed 7 percent opacity. [ITEM 6 APPLIES TO SOURCE ID 402]

Item 7: For fugitive emissions from all PSH operations at a new or existing affected source, except as provided by item 8 of this Table 1, you must meet the following emission limit: Emissions must not exceed 10 percent opacity. [ITEM 7, APPLIES TO SOURCE ID 402]

END OF TABLE 1 REQUIREMENTS

(b) You must meet each operating limit in Table 3 to this subpart that applies to you.

TABLE 3 REQUIREMENTS
As required in §63.7090(b), you must meet each operating limit in the following table that applies to you, except for kilns and coolers during startup and shutdown (See Table 2 for operating limits during startup and shutdown).

Item 1: Each lime kiln and each lime cooler (if there is a separate exhaust to the atmosphere from the associated lime cooler) equipped with an FF [Fabric Filter], you must maintain and operate the FF such that the BLDS or PM detector alarm condition does not exist for more than 5 percent of the total operating time in a 6-month period; and comply with the requirements in §63.7113(d) through (f) and Table 6 to this subpart. In lieu of a BLDS or PM detector maintain the FF such that the 6-minute average opacity for any 6-minute block period does not exceed 15 percent; and comply with the requirements in §63.7113(f) and (g) and Table 6 to this subpart. [ITEM 1 APPLIES TO SOURCE IDS 405 AND 415]

Item 5: All affected sources, you must prepare a written OM&M plan; the plan must include the items listed in §63.7100(d) and the corrective actions to be taken when required in Table 6 to this subpart. [ITEM 5 APPLIES TO IDS 402, 405, 407, 415 AND 417]

Item 6: Each emission unit equipped with an add-on air pollution control device, you must
a. Vent captured emissions through a closed system, except that dilution air may be added to emission streams for the purpose of controlling temperature at the inlet to an FF; and
b. Operate each capture/collection system according to the procedures and requirements in the OM&M plan.
[ITEM 6 APPLIES TO IDS 405 AND 415]

END OF TABLE 3 REQUIREMENTS

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(c) On or after the relevant compliance date for your source as specified in §§63.7083(e), you must meet each startup and shutdown period emission limit in Table 2 to this subpart that applies to you.

TABLE 2 REQUIREMENTS

As required in §63.7090(b), on and after the relevant compliance date for your source as specified in §63.7083(e), you must meet each emission limit in the following table that applies to you.

Item 1: All new and existing lime kilns and their associated coolers equipped with an FF or an ESP during each startup you must meet the following emission limit: Emissions must not exceed 15 percent opacity (based on startup period block average). You have demonstrated compliance, if after following the requirements in §63.7112:
i. Installed, maintained, calibrated and operated a COMS as required by 40 CFR part 63, subpart A, General Provisions and according to PS-1 of appendix B to part 60 of this chapter, except as specified in §63.7113(g)(2);
ii. Collected the COMS data at a frequency of at least once every 15 seconds, determining block averages for each startup period and demonstrating for each startup block period the average opacity does not exceed 15 percent.
[ITEM 1 APPLIES TO IDS 405 AND 415]

Item 3: All new and existing lime kilns and their associated coolers equipped with an FF or an ESP during shutdown you must meet the following emission limit: Emissions must not exceed 15 percent opacity (based on 6-minute average opacity for any 6-minute block period does not exceed 15 percent). You have demonstrated compliance, if after following the requirements in §63.7112:
i. Installed, maintained, calibrated and operated a COMS as required by 40 CFR part 63, subpart A, General Provisions and according to PS-1 of appendix B to part 60 of this chapter, except as specified in §63.7113(g)(2);
ii. Collecting the COMS data at a frequency of at least once every 15 seconds, determining block averages for each 6-minute period and demonstrating for each 6-minute block period the average opacity does not exceed 15 percent.
[ITEM 3 APPLIES TO IDS 405 AND 415]
END OF TABLE 2 REQUIREMENTS

[69 FR 416, Jan. 5, 2004, as amended at 85 FR 44977, July 24, 2020]

General Compliance Requirements
§63.7100 What are my general requirements for complying with this subpart?

(a) Prior to the relevant compliance date for your source as specified in §63.7083(e), you must be in compliance with the emission limitations (including operating limits) in this subpart at all times, except during periods of startup, shutdown, and malfunction. On and after the relevant compliance date for your source as specified in §63.7083(e), you must be in compliance with the applicable emission limitations (including operating limits) at all times.

(b) Prior to the relevant compliance date for your source as specified in §63.7083(e), you must be in compliance with the opacity and visible emission (VE) limits in this subpart at all times, except during periods of startup, shutdown, and malfunction. On and after the relevant compliance date for your source as specified in §63.7083(e), you must be in compliance with the applicable opacity and VE limits at all times.

(c) Prior to the relevant compliance date for your source as specified in §63.7083(e), you must always operate and maintain your affected source, including air pollution control and monitoring equipment, according to the provisions in §63.6(e)(1)(i). On and after the relevant compliance date for your source as specified in §63.7083(e), you must always operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the owner or operator to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether 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.

(d) You must prepare and implement for each LMP, a written operations, maintenance, and monitoring (OM&M) plan. You must submit the plan to the applicable permitting authority for review and approval as part of the application for a 40 CFR part 70 or 40 CFR part 71 permit. Any subsequent changes to the plan must be submitted to the applicable permitting

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authority for review and approval. Pending approval by the applicable permitting authority of an initial or amended plan, you must comply with the provisions of the submitted plan. Each plan must contain the following information:

(1) Process and control device parameters to be monitored to determine compliance, along with established operating limits or ranges, as applicable, for each emission unit.

(2) A monitoring schedule for each emission unit.

(3) Procedures for the proper operation and maintenance of each emission unit and each air pollution control device used to meet the applicable emission limitations and operating limits in Tables 1, 2 and 3 to this subpart, respectively. On and after the relevant compliance date for your source as specified in §63.7083(e), your OM&M plan must address periods of startup and shutdown.

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

(i) Calibration and certification of accuracy of each monitoring device;

(ii) Performance and equipment specifications for the sample interface, parametric signal analyzer, and the data collection and reduction systems;

(iii) Prior to the relevant compliance date for your source as specified in §63.7083(e), ongoing operation and maintenance procedures in accordance with the general requirements of §§63.8(c)(1)(i) and (ii), (3), and (4)(ii). On and after the relevant compliance date for your source as specified in §63.7083(e), ongoing operation and maintenance procedures in accordance with the general requirements of paragraph (c) of this section and §§63.8(c)(1)(ii), (3), and (4)(ii); and

(iv) Ongoing data quality assurance procedures in accordance with the general requirements of §63.8(d).

(5) Procedures for monitoring process and control device parameters.

(6) Corrective actions to be taken when process or operating parameters or add-on control device parameters deviate from the operating limits specified in Table 3 to this subpart, including:

(i) Procedures to determine and record the cause of a deviation or excursion, and the time the deviation or excursion began and ended; and

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

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

(e) Prior to the relevant compliance date for your source as specified in §63.7083(e), you must develop a written startup, shutdown, and malfunction plan (SSMP) according to the provisions in §63.6(e)(3).

[69 FR 416, Jan. 5, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 85 FR 44977, July 24, 2020]

Testing and Initial Compliance Requirements

§63.7110 By what date must I conduct performance tests and other initial compliance demonstrations?

(a) – (e) [INITIAL COMPLIANCE DEMONSTRATION IS IN THE PAST]

[69 FR 416, Jan. 5, 2004, as amended at 85 FR 44977, July 24, 2020]

§63.7111 When must I conduct subsequent performance tests?

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You must conduct a performance test within 5 years following the initial performance test and within 5 years following each subsequent performance test thereafter.

§63.7112 What performance tests, design evaluations, and other procedures must I use?

(a) You must conduct each performance test in Table 5 to this subpart that applies to you. [TABLE 5 REQUIREMENTS INCORPORATED BY REFERENCE]

(b) Prior to the relevant compliance date for your source as specified in §63.7083(e), each performance test must be conducted according to the requirements in §63.7(e)(1) and under the specific conditions specified in Table 5 to this subpart. On and after the relevant compliance date for your source as specified in §63.7083(e), each performance test must be conducted based on representative performance (i.e., performance based on normal operating conditions) of the affected source and under the specific conditions in Table 5 to this subpart. Representative conditions exclude periods of startup and shutdown. The owner or operator may not conduct performance tests during periods of malfunction. The owner or operator must record the process information that is necessary to document operating conditions during the test and include in such record an explanation to support that such conditions represent normal operation. Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests.

(c) Prior to the relevant compliance date for your source as specified in §63.7083(e), you may not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in §63.7(e)(1). On and after the relevant compliance date for your source as specified in §63.7083(e), you may not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in paragraph (b) of this section.

(d) Except for opacity and VE observations, you must conduct three separate test runs for each performance test required in this section, as specified in §63.7(e)(3). Each test run must last at least 1 hour.

(e) The emission rate of particulate matter (PM) from each lime kiln (and each lime cooler if there is a separate exhaust to the atmosphere from the lime cooler) must be computed for each run using Equation 1 of this section: [SEE REGULATION FOR EQUATION]

(f)(1) If you choose to meet a weighted average emission limit as specified in item 4 of Table 1 to this subpart, you must calculate a combined particulate emission rate from all kilns and coolers within your LMP using Equation 2 of this section: [SEE REGULATION FOR EQUATION]

(2) You do not have to include every kiln in this calculation, only include kilns you wish to average. Kilns that have a PM emission limit of 0.60 lb/tsf are ineligible for any averaging.

(g) The weighted average PM emission limit from all kilns and coolers for which you are averaging must be calculated using Equation 3 of this section: [SEE REGULATION FOR EQUATION]

m = Number of kilns and kiln/cooler combinations you are averaging at your LMP. You must include the same kilns in the calculation of ET and ETN. Kilns that have a PM emission limit of 0.60 lb/tsf are ineligible for any averaging.

(h) Performance test results must be documented in complete test reports that contain the information required by paragraphs (h)(1) through (10) of this section, as well as all other relevant information. The plan to be followed during testing must be made available to the Administrator at least 60 days prior to testing.

(1) A brief description of the process and the air pollution control system;

(2) Sampling location description(s);

(3) A description of sampling and analytical procedures and any modifications to standard procedures;

(4) Test results, including opacity;

(5) Quality assurance procedures and results;

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(6) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(7) Raw data sheets for field sampling and field and laboratory analyses;

(8) Documentation of calculations;

(9) All data recorded and used to establish operating limits; and

(10) Any other information required by the test method.

(i) [Reserved]

(j) You must establish any applicable 3-hour block average operating limit indicated in Table 3 to this subpart according to the applicable requirements in Table 4 to this subpart and paragraphs (j)(1) through (4) of this section.

(1) Continuously record the parameter during the PM performance test and include the parameter record(s) in the performance test report.

(2) Determine the average parameter value for each 15-minute period of each test run.

(3) Calculate the test run average for the parameter by taking the average of all the 15-minute parameter values for the run.

(4) Calculate the 3-hour operating limit by taking the average of the three test run averages.

(k) For each building enclosing any PSH operations that is subject to a VE limit, you must conduct a VE check according to item 18 in Table 5 to this subpart, and in accordance with paragraphs (k)(1) through (3) of this section.

(1) Conduct visual inspections that consist of a visual survey of the building over the test period to identify if there are VE, other than condensed water vapor.

(2) Select a position at least 15 but not more 1,320 feet from each side of the building with the sun or other light source generally at your back.

(3) The observer conducting the VE checks need not be certified to conduct EPA Method 9 in appendix A-4 to part 60 of this chapter. However, the observer must meet the training requirements as described in EPA Method 22 in appendix A-7 to part 60 of this chapter.

(l) When determining compliance with the opacity standards for fugitive emissions from PSH operations in item 8 of Table 1 to this subpart, you must conduct EPA Method 9 in appendix A-4 to part 60 of this chapter according to item 17 in Table 5 to this subpart, and in accordance with paragraphs (l)(1) through (3) of this section.

(1) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).

(2) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun must be followed.

(3) If you use wet dust suppression to control PM from PSH operations, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered VE. When a water mist of this nature is present, you must observe emissions at a point in the plume where the mist is no longer visible.

(m) On and after the relevant compliance date for your source as specified in §63.7083(e), during startup, kilns must be tested hourly to determine when lime product meets the definition of on-specification lime product.

[69 FR 416, Jan. 5, 2004, as amended at 85 FR 44977, July 24, 2020]

§63.7113 What are my monitoring installation, operation, and maintenance requirements?

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(a) You must install, operate, and maintain each continuous parameter monitoring system (CPMS) according to your OM&M plan required by §63.7100(d) and paragraphs (a)(1) through (5) of this section, and you must install, operate, and maintain each continuous opacity monitoring system (COMS) as required by paragraph (g) of this section

(1) The CPMS must complete a minimum of one cycle of operation for each successive 15-minute period.

(2) To calculate a valid hourly value, you must have at least four equally spaced data values (or at least two, if that condition is included to allow for periodic calibration checks) for that hour from a CPMS that is not out of control according your OM&M plan, and use all valid data.

(3) To calculate the average for each 3-hour block averaging period, you must use all valid data, and you must have at least 66 percent of the hourly averages for that period using only hourly average values that are based on valid data (i.e., not from out-of-control periods).

(4) You must conduct a performance evaluation of each CPMS in accordance with your OM&M plan.

(5) You must continuously operate and maintain the CPMS according to the OM&M plan, including, but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

(b) For each flow measurement device, you must meet the requirements in paragraphs (a)(1) through (5) and (b)(1) through (4) of this section.

(1) Use a flow sensor with a minimum tolerance of 2 percent of the flow rate.

(2) Reduce swirling flow or abnormal velocity distributions due to upstream and downstream disturbances.

(3) Conduct a flow sensor calibration check at least semiannually.

(4) At least monthly, inspect all components for integrity, all electrical connections for continuity, and all mechanical connections for leakage.

(c) For each pressure measurement device, you must meet the requirements in paragraphs (a)(1) through (5) and (c)(1) through (7) of this section.

(1) Locate the pressure sensor(s) in or as close to as possible a position that provides a representative measurement of the pressure.

(2) Minimize or eliminate pulsating pressure, vibration, and internal and external corrosion.

(3) Use a gauge with a minimum tolerance of 0.5 inch of water or a transducer with a minimum tolerance of 1 percent of the pressure range.

(4) Check pressure tap pluggage daily.

(5) Using a manometer, check gauge calibration quarterly and transducer calibration monthly.

(6) Conduct calibration checks any time the sensor exceeds the manufacturer's specified maximum operating pressure range or install a new pressure sensor.

(7) At least monthly, inspect all components for integrity, all electrical connections for continuity, and all mechanical connections for leakage.

(d) For each bag leak detection system (BLDS), you must meet any applicable requirements in paragraphs (a)(1) through (5) and (d)(1) through (10) of this section.

(1) The BLDS must be certified by the manufacturer to be capable of detecting PM emissions at concentrations of 10 milligrams per actual cubic meter (0.0044 grains per actual cubic foot) or less.

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(2) The sensor on the BLDS must provide output of relative PM emissions.

(3) The BLDS must be equipped with a device to continuously record the output signal from the sensor.

(4) The BLDS must have an alarm that will sound automatically when it detects an increase in relative PM emissions greater than a preset level.

(5) The alarm must be located in an area where appropriate plant personnel will be able to hear it.

(6) For a positive-pressure fabric filter (FF), each compartment or cell must have a bag leak detector (BLD). For a negative-pressure or induced-air FF, the BLD must be installed downstream of the FF. If multiple BLD are required (for either type of FF), the detectors may share the system instrumentation and alarm.

(7) Each triboelectric BLDS must be installed, calibrated, operated, and maintained according to EPA-454/R-98-015, “Fabric Filter Bag Leak Detection Guidance,” (incorporated by reference—see §63.14). Other types of bag leak detection systems must be installed, operated, calibrated, and maintained according to the manufacturer's written specifications and recommendations. Standard operating procedures must be incorporated into the OM&M plan.

(8) At a minimum, initial adjustment of the system must consist of establishing the baseline output in both of the following ways, according to section 5.0 of the EPA-454/R-98-015, “Fabric Filter Bag Leak Detection Guidance,” (incorporated by reference—see §63.14):

(i) Adjust the range and the averaging period of the device.

(ii) Establish the alarm set points and the alarm delay time.

(9) After initial adjustment, the sensitivity or range, averaging period, alarm set points, or alarm delay time may not be adjusted except as specified in the OM&M plan required by §63.7100(d). In no event may the range be increased by more than 100 percent or decreased by more than 50 percent over a 365-day period unless such adjustment follows a complete FF inspection that demonstrates that the FF is in good operating condition, as defined in section 5.2 of the “Fabric Filter Bag Leak Detection Guidance,” (incorporated by reference—see §63.14). Record each adjustment.

(10) Record the results of each inspection, calibration, and validation check.

(e) For each PM detector, you must meet any applicable requirements in paragraphs (a)(1) through (5) and (e)(1) through (8) of this section.

(1) The PM detector must be certified by the manufacturer to be capable of detecting PM emissions at concentrations of 10 milligrams per actual cubic meter (0.0044 grains per actual cubic foot) or less.

(2) The sensor on the PM detector must provide output of relative PM emissions.

(3) The PM detector must have an alarm that will sound automatically when it detects an increase in relative PM emissions greater than a preset level.

(4) The alarm must be located in an area where appropriate plant personnel will be able to hear it.

(5) For a positive-pressure electrostatic precipitator (ESP), each compartment must have a PM detector. For a negative-pressure or induced-air ESP, the PM detector must be installed downstream of the ESP. If multiple PM detectors are required (for either type of ESP), the detectors may share the system instrumentation and alarm.

(6) Particulate matter detectors must be installed, operated, adjusted, and maintained according to the manufacturer's written specifications and recommendations. Standard operating procedures must be incorporated into the OM&M plan.

(7) At a minimum, initial adjustment of the system must consist of establishing the baseline output in both of the following ways:

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(i) Adjust the range and the averaging period of the device.

(ii) Establish the alarm set points and the alarm delay time.

(8) After initial adjustment, the range, averaging period, alarm set points, or alarm delay time may not be adjusted except as specified in the OM&M plan required by §63.7100(d). In no event may the range be increased by more than 100 percent or decreased by more than 50 percent over a 365-day period unless a responsible official as defined in §63.2 certifies in writing to the Administrator that the ESP has been inspected and found to be in good operating condition.

(f) For each emission unit equipped with an add-on air pollution control device, you must inspect each capture/collection and closed vent system at least once each calendar year to ensure that each system is operating in accordance with the operating requirements in item 6 of Table 3 to this subpart and record the results of each inspection.

(g) For each COMS used to monitor an add-on air pollution control device, you must meet the requirements in paragraphs (g)(1) and (2) of this section.

(1) Install the COMS at the outlet of the control device.

(2) Install, maintain, calibrate, and operate the COMS as required by 40 CFR part 63, subpart A, General Provisions and according to Performance Specification (PS)-1 of appendix B to part 60 of this chapter. Facilities that operate COMS installed on or before February 6, 2001, may continue to meet the requirements in effect at the time of COMS installation unless specifically required to re-certify the COMS by their permitting authority.

[69 FR 416, Jan. 5, 2004, as amended at 85 FR 44978, July 24, 2020]

§63.7114 How do I demonstrate initial compliance with the emission limitations standard?

(a) You must demonstrate initial compliance with each emission limit in Table 1 to this subpart that applies to you, according to Table 4 to this subpart. For existing lime kilns and their associated coolers, you may perform VE measurements in accordance with EPA Method 9 of appendix A to part 60 in lieu of installing a COMS or PM detector if any of the conditions in paragraphs (a)(1) through (3) of this section exist:

(1)-(3) [NA-CONDITIONS OF 63.7114(a)(1)-(3) DO NOT EXIST]

(b) You must establish each site-specific operating limit in Table 3 to this subpart that applies to you according to the requirements in §63.7112(j) and Table 5 to this subpart. Alternative parameters may be monitored if approval is obtained according to the procedures in §63.8(f).

(c) [INITIAL COMPLIANCE DEMONSTRATION IS IN THE PAST]

[69 FR 416, Jan. 5, 2004, as amended at 85 FR 44979, July 24, 2020]

Continuous Compliance Requirements

§63.7120 How do I monitor and collect data to demonstrate continuous compliance?

(a) You must monitor and collect data according to this section.

(b) Except for monitor malfunctions, associated repairs, required quality assurance or control activities (including, as applicable, calibration checks and required zero adjustments), and except for PSH operations subject to monthly VE testing, you must monitor continuously (or collect data at all required intervals) at all times that the emission unit is operating.

(c) Data recorded during the conditions described in paragraphs (c)(1) and (2) of this section may not be used either in data averages or calculations of emission or operating limits; or in fulfilling a minimum data availability requirement. You must use all the data collected during all other periods in assessing the operation of the control device and associated control system.

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(1) Monitoring system breakdowns, repairs, preventive maintenance, calibration checks, and zero (low-level) and high-level adjustments;

(2) Periods of non-operation of the process unit (or portion thereof), resulting in cessation of the emissions to which the monitoring applies; and

[69 FR 416, Jan. 5, 2004, as amended at 85 FR 44979, July 24, 2020]

§63.7121 How do I demonstrate continuous compliance with the emission limitations standard?

(a)You must demonstrate continuous compliance with each emission limitation in Tables 1 and 3 to this subpart that applies to you according to the methods specified in Tables 6 and 7 to this subpart.

TABLE 6 REQUIREMENTS
As required in §63.7121, you must demonstrate continuous compliance with each operating limit listed in Table 3 to subpart AAAAA that applies to you, according to the following table:

Item 2 For each lime kiln or lime cooler equipped with a FF and using a BLDS, and each lime kiln equipped with an ESP or FF using a PM detector for the following operating limit: Maintain and operate the FF or ESP such that the bag leak or PM detector alarm, is not activated and alarm condition does not exist for more than 5 percent of the total operating time in each 6-month period. You must demonstrate continuous compliance by:

(i)Operating the FF or ESP so that the alarm on the bag leak or PM detection system is not activated and an alarm condition does not exist for more than 5 percent of the total operating time in each 6-month reporting period; and continuously recording the output from the BLD or PM detection system; and

(ii) Each time the alarm sounds and the owner or operator initiates corrective actions within 1 hour of the alarm, 1 hour of alarm time will be counted (if the owner or operator takes longer than 1 hour to initiate corrective actions, alarm time will be counted as the actual amount of time taken by the owner or operator to initiate corrective actions); if inspection of the FF or ESP system demonstrates that no corrective actions are necessary, no alarm time will be counted.
[ITEM 2 APPLIES TO SOURCE ID 405 AND 415]

Item 4 For each lime kiln or lime cooler equipped with a FF or an ESP that uses a COMS as the monitoring device for the following operating limit: Maintain and operate the FF or ESP such that the average opacity for any 6-minute block period does not exceed 15 percent. You must demonstrate continuous compliance by:

i. Installing, maintaining, calibrating and operating a COMS as required by 40 CFR part 63, subpart A, General Provisions and according to PS-1 of appendix B to part 60 of this chapter, except as specified in §63.7113(g)(2); and

ii. Collecting the COMS data at a frequency of at least once every 15 seconds, determining block averages for each 6-minute period and demonstrating for each 6-minute block period the average opacity does not exceed 15 percent.
[ITEM 4 APPLIES TO SOURCE ID 405 AND 415]

END OF TABLE 6 REQUIREMENTS

TABLE 7 REQUIREMENTS
As required in §63.7121 you must periodically demonstrate compliance with each opacity and VE limit that applies to you, according to the following table:

Item 1: For each PSH operation subject to an opacity limitation as required in Table 1 to this subpart, or any vents from buildings subject to an opacity limitation for the following emission limitation: 7-10 percent opacity, depending on the PSH operation, as required in Table 1 to this subpart. You must demonstrate ongoing compliance:

(i) Conducting a monthly 1-minute VE check of each emission unit in accordance with §63.7121(e); the check must be conducted while the affected source is in operation;

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(ii) If no VE are observed in 6 consecutive monthly checks for any emission unit, you may decrease the frequency of VE checking from monthly to semi-annually for that emission unit; if VE are observed during any semiannual check, you must resume VE checking of that emission unit on a monthly basis and maintain that schedule until no VE are observed in 6 consecutive monthly checks;

(iii) If no VE are observed during the semiannual check for any emission unit, you may decrease the frequency of VE checking from semi-annually to annually for that emission unit; if VE are observed during any annual check, you must resume VE checking of that emission unit on a monthly basis and maintain that schedule until no VE are observed in 6 consecutive monthly checks; and

(iv) If VE are observed during any VE check, you must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of this chapter; you must begin the Method 9 test within 1 hour of any observation of VE and the 6-minute opacity reading must not exceed the applicable opacity limit.
[ITEM 1 APPLIES TO SOURCE ID 402]

END TABLE 7 REQUIREMENTS

(b) You must report each instance in which you did not meet each operating limit, opacity limit, and VE limit in Tables 2, 3 and 7 to this subpart that applies to you. These deviations must be reported according to the requirements in §63.7131.

(c) [Reserved]

(d) Prior to the relevant compliance date for your source as specified in §63.7083(e), consistent with §§63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction are not violations if you demonstrate to the Administrator's satisfaction that you were operating in accordance with §63.6(e)(1). The Administrator will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in §63.6(e).

(e) For each PSH operation subject to an opacity limit as specified in Table 1 to this subpart, and any vents from buildings subject to an opacity limit, you must conduct a VE check according to item 1 in Table 7 to this subpart, and as follows:

(1) Conduct visual inspections that consist of a visual survey of each stack or process emission point over the test period to identify if there are VE, other than condensed water vapor.

(2) Select a position at least 15 but not more 1,320 feet from the affected emission point with the sun or other light source generally at your back.

(3) The observer conducting the VE checks need not be certified to conduct EPA Method 9 in appendix A-4 to part 60 of this chapter but must meet the training requirements as described in EPA Method 22 of appendix A-7 to part 60 of this chapter.
[APPLIES TO ID 402]

(f)[NA- CONDITIONS OF PARAGRAPHS (f)(1)-(3) DO NOT EXIST]

[69 FR 416, Jan. 5, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 85 FR 44979, July 24, 2020]

Notification, Reports, and Records

§63.7130 What notifications must I submit and when?

(a) You must submit all of the notifications in §§63.6(h)(4) and (5); 63.7(b) and (c); 63.8(e); (f)(4) and (6); and 63.9 (a) through (j) that apply to you, by the dates specified.

(b)-(e) [INITIAL COMPLIANCE ACTIVITIES ARE IN THE PAST]

[69 FR 416, Jan. 5, 2004, as amended at 85 FR 44979, July 24, 2020; 85 FR 73912, Nov. 19, 2020]

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§63.7131 What reports must I submit and when?

(a)You must submit each report listed in Table 8 to this subpart that applies to you.

TABLE 8 REQUIREMENTS
As required in §63.7131, you must submit each report in this table that applies to you.

Item 1 You must submit a Compliance report. The report must contain:
a. If there are no deviations from any emission limitations (emission limit, operating limit, opacity limit, and VE limit) that applies to you, a statement that there were no deviations from the emission limitations during the reporting period;
b. If there were no periods during which the CMS, including any operating parameter monitoring system, was out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period;
c. If you have a deviation from any emission limitation (emission limit, operating limit, opacity limit, and VE limit) during the reporting period, the report must contain the information in §63.7131(d);
d. If there were periods during which the CMS, including any operating parameter monitoring system, was out-of-control, as specified in §63.8(c)(7), the report must contain the information in §63.7131(e); and
e. Before the relevant compliance date for your source as specified in §63.7083(e), if you had a startup, shutdown or malfunction during the reporting period and you took actions consistent with your SSMP, the compliance report must include the information in §63.10(d)(5)(i). On and after the relevant compliance date for your source as specified in §63.7083(e), if you had a startup, shutdown or malfunction during the reporting period and you failed to meet an applicable standard, the compliance report must include the information in §63.7131(c)(3)
You must submit the report Semiannually according to the requirements in §63.7131(b).

Item 2 You must submit Before the relevant compliance date for your source as specified in §63.7083(e), an immediate startup, shutdown, and malfunction report if you had a startup, shutdown, or malfunction during the reporting period that is not consistent with your SSMP. The report must contain actions taken for the event. You must submit the report By fax or telephone within 2 working days after starting actions inconsistent with the SSMP.

Item 3 You must submit before the relevant compliance date for your source as specified in §63.7083(e), an immediate startup, shutdown, and malfunction report if you had a startup, shutdown, or malfunction during the reporting period that is not consistent with your SSMP. The report must contain The information in §63.10(d)(5)(ii). You must submit the report by letter within 7 working days after the end of the event unless you have made alternative arrangements with the permitting authority. See §63.10(d)(5)(ii).

Item 4 You must submit a Performance Test Report. The report must contain The information required in §63.7(g). You must submit the report according to the requirements of §63.7131.

END TABLE 8 REQUIREMENTS

(b) Unless the Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report by the date specified in Table 8 to this subpart and according to the requirements in paragraphs (b)(1) through (6) of this section:

(1) – (2) [INITIAL REPORT IS IN THE PAST]

(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(4) Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(5) For each affected source that is subject to permitting regulations pursuant to part 70 or part 71 of this chapter, 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) of this chapter, you may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates specified in paragraphs (b)(1) through (4) of this section.

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(6) Beginning on the relevant compliance date for your source as specified in §63.7083(e), submit all subsequent compliance reports following the procedure specified in paragraph (h) of this section.

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

(1) Company name and address.

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

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

(4) Prior to the relevant compliance date for your source as specified in §63.7083(e), if you had a startup, shutdown or malfunction during the reporting period and you took actions consistent with your SSMP, the compliance report must include the information in §63.10(d)(5)(i).

(5) If there were no deviations from any emission limitations (emission limit, operating limit, opacity limit, and VE limit) that apply to you, the compliance report must include a statement that there were no deviations from the emission limitations during the reporting period.

(6) If there were no periods during which the continuous monitoring systems (CMS) were out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which the CMS were out-of-control during the reporting period.

(d) For each deviation from an emission limitation (emission limit, operating limit, opacity limit, and VE limit) that occurs at an affected source where you are not using a CMS to comply with the emission limitations in this subpart, the compliance report must contain the information specified in paragraphs (c)(1) through (4) and (d)(1) and (2) of this section. The deviations must be reported in accordance with the requirements in §63.10(d) prior to the relevant compliance date for your source as specified in §63.7083(e) and the requirements in §63.10(d)(1)-(4) beginning on the relevant compliance date for your source as specified in §63.7083(e).

(1) The total operating time of each emission unit during the reporting period.

(2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), and the corrective action taken.

(3) An estimate of the quantity of each regulated pollutant emitted over a particulate matter emission limit, and a description of the method used to estimate the emissions.

(e) For each deviation from an emission limitation (emission limit, operating limit, opacity limit, and VE limit) occurring at an affected source where you are using a CMS to comply with the emission limitation in this subpart, you must include the information specified in paragraphs (c)(1) through (4) and (e)(1) through (11) of this section, except that beginning on the relevant compliance date for your source as specified in 63.7083(e), the semiannual compliance report must also include the information included in paragraph (e)(12) of this section. This includes periods of startup, shutdown, and malfunction.

(1) The date and time that each malfunction started and stopped.

(2) The date, time, and duration that each CMS was inoperative, except for zero (low-level) and high-level checks.

(3) The date, time and duration that each CMS was out-of-control, including the information in §63.8(c)(8).

(4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period.

(5) A summary of the total duration of the deviations during the reporting period and the total duration as a percent of the total affected source operating time during that reporting period.

(6) A breakdown of the total duration of the deviations during the reporting period into those that are due to startup,

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shutdown, control equipment problems, process problems, other known causes, and other unknown causes.

(7) A summary of the total duration of CMS downtime during the reporting period and the total duration of CMS downtime as a percent of the total emission unit operating time during that reporting period.

(8) A brief description of the process units.

(9) A brief description of the CMS.

(10) The date of the latest CMS certification or audit.

(11) A description of any changes in CMS, processes, or controls since the last reporting period.

(12) An estimate of the quantity of each regulated pollutant emitted over a particulate matter emission limit, and a description of the method used to estimate the emissions.

(f) Each facility that has obtained a title V operating permit pursuant to part 70 or part 71 of this chapter must report all deviations as defined in this subpart in the semiannual monitoring report required by §70.6(a)(3)(iii)(A) or 71.6(a)(3)(iii)(A) of this chapter. If you submit a compliance report specified in Table 8 to this subpart along with, or as part of, the semiannual monitoring report required by §70.6(a)(3)(iii)(A) or 71.6(a)(3)(iii)(A) of this chapter, and the compliance report includes all required information concerning deviations from any emission limitation (including any operating limit), submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation you may have to report deviations from permit requirements to the permit authority.

(g) If you are required to submit reports following the procedure specified in this paragraph, you must submit reports to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI), which can be accessed through the EPA's Central Data Exchange (CDX) (https://cdx.epa.gov/). You must use the appropriate electronic report template on the CEDRI website (https://www.epa.gov/electronic-reporting-air-emissions/compliance-and-emissions-data-reporting-interface-cedri) for this subpart. The date report templates become available will be listed on the CEDRI website. The report must be submitted by the deadline specified in this subpart, regardless of the method in which the report is submitted. If you claim some of the information required to be submitted via CEDRI is confidential business information (CBI), submit a complete report, including information claimed to be CBI, to the EPA. The report must be generated using the appropriate form on the CEDRI website. Submit the file on a compact disc, flash drive, or other commonly used electronic storage medium and clearly mark the medium as CBI. Mail the electronic medium to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described earlier in this paragraph.

(h) Within 60 days after the date of completing each performance test required by this subpart, you must submit the results of the performance test following the procedures specified in paragraphs (h)(1) through (3) of this section.

(1) Data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT website (https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert) at the time of the test. Submit the results of the performance test to the EPA via CEDRI, which can be accessed through the EPA's CDX (https://cdx.epa.gov/). The data must be submitted in a file format generated through the use of the EPA's ERT. Alternatively, you may submit an electronic file consistent with the extensible markup language (XML) schema listed on the EPA's ERT website.

(2) Data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT website at the time of the test. The results of the performance test must be included as an attachment in the ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the ERT generated package or alternative file to the EPA via CEDRI.

(3) Confidential business information (CBI). If you claim some of the information submitted under paragraph (i) of this section is CBI, you must submit a complete file, including information claimed to be CBI, to the EPA. The file must be generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the file on a compact disc, flash drive, or other commonly used electronic storage medium and

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clearly mark the medium as CBI. Mail the electronic medium to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described in paragraph (i) of this section.

(i) If you are required to electronically submit a report or notification through CEDRI in the EPA's CDX, you may assert a claim of EPA system outage for failure to timely comply with the reporting requirement. To assert a claim of EPA system outage, you must meet the requirements outlined in paragraphs (i)(1) through (7) of this section.

(1) You must have been or will be precluded from accessing CEDRI and submitting a required report within the time prescribed due to an outage of either the EPA's CEDRI or CDX systems.

(2) The outage must have occurred within the period of time beginning five business days prior to the date that the submission is due.

(3) The outage may be planned or unplanned.

(4) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

(5) You must provide to the Administrator a written description identifying:

(i) The date(s) and time(s) when CDX or CEDRI was accessed and the system was unavailable;

(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to EPA system outage;

(iii) Measures taken or to be taken to minimize the delay in reporting; and

(iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported.

(6) The decision to accept the claim of EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

(7) In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved.

(j) If you are required to electronically submit a report through CEDRI in the EPA's CDX, you may assert a claim of force majeure for failure to timely comply with the reporting requirement. To assert a claim of force majeure, you must meet the requirements outlined in paragraphs (j)(1) through (5) of this section.

(1) You may submit a claim if a force majeure event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning five business days prior to the date the submission is due. For the purposes of this section, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents you from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large scale power outage).

(2) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

(3) You must provide to the Administrator:

(i) A written description of the force majeure event;

(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event;

(iii) Measures taken or to be taken to minimize the delay in reporting; and

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(iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported.

(4) The decision to accept the claim of force majeure and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

(5) In any circumstance, the reporting must occur as soon as possible after the force majeure event occurs.

[69 FR 416, Jan. 5, 2004, as amended at 85 FR 44979, July 24, 2020]

§63.7132 What records must I keep?

(a) You must keep the records specified in paragraphs (a)(1) through (3) 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 requirements in §63.10(b)(2)(xiv).

(2) Prior to the relevant compliance date for your source as specified in §63.7083(e), the records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction. On and after the relevant compliance date for your source as specified in §63.7083(e), the records in paragraphs (a)(2)(i) and (ii) of this section.

(i) You must keep records for each startup period of the date, the time startup began, the time began producing on-specification lime product, and the time discharge from the kiln began for any affected source that is subject to a standard during startup that differs from the standard applicable at other times.

(ii) You must keep records of the date, time, cause and duration of each malfunction (as defined in 40 CFR 63.2) that causes an affected source to fail to meet an applicable standard; if there was also a monitoring malfunction, the date, time, cause, and duration of the monitoring malfunction; the record must list the affected source or equipment; if there was a failure to meet a particulate matter emissions limit, an estimate of the volume of each regulated pollutant emitted over the limit, and a description of the method used to estimate the emissions.

(3) Records of performance tests, performance evaluations, and opacity and VE observations as required in §63.10(b)(2)(viii).

(b) You must keep the records in §63.6(h)(6) for VE observations.

(c) You must keep the records required by Tables 6 and 7 to this subpart to show continuous compliance with each emission limitation that applies to you.

(d) You must keep the records which document the basis for the initial applicability determination as required under §63.7081.

[69 FR 416, Jan. 5, 2004, as amended at 85 FR 44981, July 24, 2020]

§63.7133 In what form and for 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 onsite 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 may keep the records offsite for the remaining 3 years.

(d) Any records required to be maintained by this part that are submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to

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make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.

[69 FR 416, Jan. 5, 2004, as amended at 85 FR 44981, July 24, 2020]

Other Requirements and Information

§63.7140 What parts of the General Provisions apply to me?

Table 9 to this subpart shows which parts of the General Provisions in §§63.1 through 63.16 apply to you. When there is overlap between subpart A and subpart AAAAA, as indicated in the "Explanations" column in Table 8, subpart AAAAA takes precedence. [SEE REGULATION FOR TABLE 9 DETAILS]

[85 FR 44981, July 24, 2020]

§63.7141 Who implements and enforces this subpart?

(a) This subpart can be implemented and enforced by us, the U.S. EPA, or by 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 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 subpart E of this part, 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 as specified in paragraphs (c)(1) through (7) of this section.

(1) Approval of alternatives to the non-opacity emission limitations in §63.7090(a).

(2) Approval of alternative opacity emission limitations in §63.7090(a) and (c).

(3) Approval of alternatives to the operating limits in §63.7090(b).

(4) Approval of major alternatives to test methods under §63.7(e)(2)(ii) and (f) and as defined in §63.90.

(5) Approval of major alternatives to monitoring under §63.8(f) and as defined in §63.90.

(6) Approval of major alternatives to recordkeeping and reporting under §63.10(f) and as defined in §63.90.

(7) Approval of an alternative to any electronic reporting to the EPA required by this subpart.

[69 FR 416, Jan. 5, 2004, as amended at 85 FR 44981, July 24, 2020]

§63.7142 What are the requirements for claiming area source status?
[NA – NOT AN AREA SOURCE]

§63.7143 What definitions apply to this subpart? [INCORPORATED BY REFERENCE]

Regulatory Changes

Individual sources within this source group that are subject to 40 CFR Part 63 Subpart AAAAA shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

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

The Department copies shall be forwarded to:

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

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

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

SECTION E. Source Group Restrictions.

Group Name: 008 MACT

Group Description: Subpart SSSSS - Thermal

Sources included in this group

ID	Name
610	EC BICKLEY PERIODIC KILN
830	BICKLEY PERIODIC KILN
C84	KILN INCINERATOR

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.512]

Operating permit terms and conditions.

If a Group 008 source uses process changes to reduce organic HAP emissions, the 2-run block average THC concentration for the 3-hour peak emissions period must not exceed 20 ppmvd, corrected to 18 percent oxygen, at the outlet of the process gas stream.
[40 CFR 63, Subpart SSSSS, Table 1, Item 8.]

 # 002 [25 Pa. Code §127.512]

Operating permit terms and conditions.

For a Group 008 source, the permittee must be in compliance with the emission limitations of 40 CFR 63, Subpart SSSSS, except during periods of startup, shutdown, malfunction and scheduled maintenance.
[Reference 40 CFR 63.9792(a)]

Control Device Efficiency Restriction(s).

 # 003 [25 Pa. Code §127.512]

Operating permit terms and conditions.

For Group 008 sources controlled by thermal (not catalytic) oxidizers:
a. The 2-run block average THC concentration for the 3-hour peak emissions period must not exceed 20 ppmvd, corrected to 18 percent oxygen, at the outlet of the control device; or
b. The 2-run block average THC mass emissions rate for the 3-hour peak emissions period must be reduced by at least 95 percent.
[40 CFR 63, Subpart SSSSS, Table 1, Item 6.]

II. TESTING REQUIREMENTS.

 # 004 [25 Pa. Code §127.512]

Operating permit terms and conditions.

a. A minimum of once every 5 years the permittee shall conduct a performance test.
b. The permittee must conduct a performance test in order to change the parameter value for any operating limit specified in the OM&M plan.
c. The permittee must conduct a performance test on the source(s) before starting production of any refractory product for which the organic HAP processing rate is likely to exceed by more than 10 percent the maximum organic HAP processing rate established during the most recent performance test on that same source.
d. Not applicable to Group 008.
e. Not applicable to Group 008.
[40 CFR 63.9798 and 40 CFR 63, Subpart SSSSS, Table 4]

 # 005 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall submit a test plan and a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin [as required in 40 CFR 63.7(b)(1)] to PADEP Southcentral Regional Manager of Air Quality and U.S. EPA Region 3 for approval.
[40 CFR 63.9812(d)]

The permittee shall submit three (3) copies of the complete test report within 60 calendar days after completion of the test program to the PADEP Southcentral Regional Manager of Air Quality and one (1) copy to U.S. EPA Region 3.

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[40 CFR 63.9812(e) and 40 CFR 63.7(g)]

During testing all pertinent and supplemental process and control data must be recorded and included in the final test report. All process and control device data must be summarized on a run-to-run basis. All testing shall comply with 40 CFR 63, Subpart SSSSS, Table 4.
[40 CFR 63.7(e)]

III. MONITORING REQUIREMENTS.

 # 006 [25 Pa. Code §127.512]
Operating permit terms and conditions.

Each temperature monitoring system shall be installed, operated, and maintained in accordance with 40 CFR 63.9804.

 # 007 [25 Pa. Code §127.512]
Operating permit terms and conditions.

For Group 008 sources controlled by thermal (not catalytic) oxidizers:
a. The permittee shall monitor the organic HAP processing rate (pounds per batch) of the affected source while the source is operating and a product containing HAPs is in the oven to determine compliance with the required HAP processing rate and
b. The permittee shall monitor process cycle time for each batch cycle of the affected source while the source is operating and a product containing HAPs is in the oven to determine compliance with the required HAP processing rate.
[40 CFR 63, Subpart SSSSS, Table 8, Item 7]

 # 008 [25 Pa. Code §127.512]
Operating permit terms and conditions.

The permittee shall monitor the temperature of an affected source at least hourly while the source is operating with a product containing HAPs in the oven to determine compliance with the required operating temperature.
[40 CFR 63.9808 and 40 CFR 63, Subpart SSSSS, Table 8, Item 4]

 # 009 [25 Pa. Code §127.512]
Operating permit terms and conditions.

The permittee shall demonstrate continuous compliance in monitoring and collecting data in accordance with 40 CFR 63.9808 requirements given in Section C.

IV. RECORDKEEPING REQUIREMENTS.

 # 010 [25 Pa. Code §127.512]
Operating permit terms and conditions.

The permittee must maintain records in a form suitable and readily available for expeditious review for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee must keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee may keep the records offsite for the remaining 3 years.
[40 CFR 63.9818 and 40 CFR 63.10(b)(1)]

 # 011 [25 Pa. Code §127.512]
Operating permit terms and conditions.

The permittee shall record the oxidizer combustion zone temperature with a continuous recorder, maintain the data for the most recent five (5) year period and make it available to the Department upon request.
[40 CFR 63, Subpart SSSSS, Table 2, Item 1(d)]

The temperature recorder must be installed, operated and maintained in accordance with 40 CFR 63.9804 requirements for a CPMS (Continuous Parameter Monitoring System) given in Section C.

 # 012 [25 Pa. Code §127.512]
Operating permit terms and conditions.

If a Group 008 source is controlled with a thermal oxidizer:
a. The permittee shall record the organic HAP processing rate (pounds per batch) of the affected source while the sources are operating to determine compliance with the required HAP processing rate and
b. The permittee shall record the process cycle time for each batch cycle of the affected source while the sources are operating to determine compliance with the required HAP processing rate.
[40 CFR 63, Subpart SSSSS, Table 8, Item 7]

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 # 013 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall maintain the following records:
a. A copy of each notification and report submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status submitted according to the requirements in 40 CFR 63.10(b)(2)(xiv).
b. The records in 40 CFR 63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.
c. Records of performance tests as required in 40 CFR 63.10(b)(2)(viii).
d. The records required in 40 CFR 63 Subpart SSSSS, Tables 7 through 9.
e. Records of emission data used to develop an emissions profile, as indicated in 40 CFR 63 Subpart SSSSS, Table 4 Items 8(a)(i)(4) and 17(b)(i)(4).
f. Records that document the compliance with any applicable work practice standard.
g. For each deviation of an operating limit parameter value, the date, time, and duration of the deviation, a brief explanation of the cause of the deviation and the corrective action taken, and whether the deviation occurred during a period of startup, shutdown, or malfunction.
h. For each affected source, records of production rate on a process throughput basis (either feed rate to the process unit or discharge rate from the process unit).
i. Records of any approved alternative monitoring method(s) or test procedure(s).
j. Current copies of the SSMP and the OM&M plan, including any revisions and records documenting conformance with those revisions.

V. REPORTING REQUIREMENTS.

 # 014 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee must submit semiannual compliance reports. The reports must cover the periods beginning on January 1 and ending on June 30 of each year and beginning on July 1 and ending on December 31 of each year. Compliance reports must be postmarked or delivered no later than July 31 or January 31 for compliance periods ending on June 30 and December 31, respectively.
[40 CFR 63.9814(b)(3) & (4)]

(c) Each compliance report must include:
(c)(1) Company name and address.
(c)(2) Statement by a responsible official with that official's name, title, and signature, certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
(c)(3) Date of report and beginning and ending dates of the reporting period.
(c)(4) If there was a startup, shutdown, or malfunction during the reporting period, and actions taken were consistent with the SSMP and OM&M plan, this information must be summarized in the compliance report.
(c)(5) If there are no deviations from any emission limitations (emission limit, operating limit, or work practice standard), the compliance report must include a statement that there were no deviations from the emission limitations during the reporting period.
(c)(6) If there were no periods during which the temperature sensing and recording system was out of control, the compliance report must include a statement that there were no periods during which the the temperature sensing and recording system was out of control during the reporting period.
(e) For each deviation from an emission limitation (emission limit, operating limit, or work practice standard) the compliance report must also include:
(e)(1) The total operating time of each affected source during the reporting period.
(e)(2) The date and time that each startup, shutdown, or malfunction started and stopped.
(e)(3) The date, time, and duration that each temperature sensing and recording system was inoperative.
(e)(4) The date, time and duration that each temperature sensing and recording system was out of control, including corrective action taken.
(e)(5) The date and time that each deviation from an emission limitation (emission limit, operating limit, or work practice standard) started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction.
(e)(6) A description of corrective action taken in response to a deviation.
(e)(7) A summary of the total duration of the deviations during the reporting period and the total duration as a percentage of the total source operating time during that reporting period.
(e)(8) A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.
(e)(9) A summary of the total duration of temperature sensing and recording system downtime during the reporting period

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and the total duration of temperature sensing and recording system downtime as a percentage of the total source operating time during that reporting period.
(e)(10) A brief description of the process units.
(e)(11) A brief description of the temperature sensing and recording system.
(e)(12) The date of the latest temperature sensing and recording system initial validation or accuracy audit.
(e)(13) A description of any changes in temperature sensing and recording system, processes, or controls since the last reporting period.
[40 CFR 63.9814.]

 # 015 [25 Pa. Code §127.512]

Operating permit terms and conditions.

During startup, shutdown, or a malfunction, if the source to exceeds any applicable emission limitation and the actions taken are not consistent with the procedures specified in the affected source's startup, shutdown, and malfunction plan, the permittee shall report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan followed by a letter within 7 working days after the end of the event. The immediate report required under this paragraph shall consist of a telephone call (or facsimile (FAX) transmission) to the Administrator within 2 working days after commencing actions inconsistent with the plan, and it shall be followed by a letter, delivered or postmarked within 7 working days after the end of the event, that contains the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, describing all excess emissions and/or parameter monitoring exceedances which are believed to have occurred (or could have occurred in the case of malfunctions), and actions taken to minimize emissions.
[40 CFR 63, Subpart SSSSS, Table 10, Item 2.]

VI. WORK PRACTICE REQUIREMENTS.

 # 016 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall maintain for Group 008 sources the 3-hour block average operating temperature in the thermal oxidizer combustion chamber at or above the minimum allowable operating temperature established during the most recent performance test.
[40 CFR 63, Subpart SSSSS, Table 8, Item 8.]

The minimum operating temperature is defined as average of the thermal oxidizer combustion chamber for the three most recent performance test runs, minus 25 degrees F.
[40 CFR 63, Subpart SSSSS, Table 4, Items 8 and 11.]

 # 017 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall, for Group 008 source kilns, maintain the 3-hour block average organic HAP processing rate at or below the maximum organic HAP processing rate established during the most recent performance test.
[40 CFR 63, Subpart SSSSS, Table 8, Item 7]

 # 018 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall conduct annually an inspection of all duct work, vents, and capture devices to verify that no leaks exist and that the capture device is operating such that all emissions are properly vented to the control device in accordance with the OM&M plan.
[40 CFR 63, Subpart SSSSS, Table 8, Item 1(ii)]

 # 019 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall capture emissions and vent them through a closed system.
[40 CFR 63, Subpart SSSSS, Table 2, Item 1(b)]

 # 020 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall operate each control device that is required to comply with 40 CFR 63, Subpart SSSSS on each affected source during all periods that the source is operating and a product containing HAPs is in the kiln/oven, except where specified in 40 CFR 63.9792(e), 40 CFR 63, Subpart SSSSS, Table 2, Item 2, and 40 CFR 63, Subpart SSSSS, Table 4, Item

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13(ii).
[40 CFR 63, Subpart SSSSS, Table 2, Item 1(c)]

VII. ADDITIONAL REQUIREMENTS.

 # 021 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The Group 008 thermal units are subject to provisions of 40 CFR Part 63, Subparts SSSSS of the National Emission Standards for Hazardous Air Pollutants for Refractory Manufacturing and shall comply with all applicable provisions of the Subparts. All notifications, reports, applications, submittals and other communications related to 40 CFR Part 63 compliance shall be forwarded to both the Department and EPA. The EPA copies shall be forwarded to:

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

The Department copies shall be forwarded to:

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

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

 # 022 [25 Pa. Code §127.512]
Operating permit terms and conditions.

The permittee must also comply with the applicable requirements of Subpart A of 40 CFR 63 as noted in Table 11 of 40 CFR 63 Subpart SSSSS.
[40 CFR 63, Subpart SSSSS, Table 11]

 # 023 [25 Pa. Code §127.512]
Operating permit terms and conditions.

The permittee must prepare a written startup, shutdown, and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3).
[40 CFR 63.9792(c)]

 # 024 [25 Pa. Code §127.512]
Operating permit terms and conditions.

The permittee must prepare, maintain and implement a written operation, maintenance, and monitoring plan (OM&M) according to the provisions in 40 CFR 63.9794.
[40 CFR 63.9792(d)]

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

SECTION E. Source Group Restrictions.

Group Name: 009 MACT

Group Description: Subpart ZZZZ - Diesel and Natural Gas IC engines

Sources included in this group

ID	Name
110	EMERGENCY GENERATORS

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

 # 001 [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?

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

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

The Department copies shall be forwarded to:

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

SECTION E. Source Group Restrictions.

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

 # 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Am I subject to this subpart?

63.6585 Am I subject to this subpart?
You are subject to this subpart if you own or operate a stationary RICE at a major or area source of HAP emissions, except if the stationary RICE is being tested at a stationary RICE test cell/stand.

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

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

(c) [NA – FACILITY IS MAJOR FOR HAP]

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

(e) [NA – NATIONAL SECURITY EXEMPTION DOES NOT APPLY]

(f) [NA – NOT RESIDENTIAL/COMMERCIAL/INSTITUTIONAL

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

§ 63.6590 What parts of my plant does this subpart cover?
This subpart applies to each affected source.

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) Existing stationary RICE.

(i) [NA – ENGINE(S) <500 HP]

(ii) For stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

(iii) [NA – FACILITY IS MAJOR FOR HAP]

(iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.

(2) [NA – ENGINE(S) ARE EXISTING]

(3) [NA – ENGINE(S) ARE EXISTING]

SECTION E. Source Group Restrictions.

(b) Stationary RICE subject to limited requirements. (1) [NA – ENGINE(S) ARE EXISTING]

(2) [NA – ENGINE(S) ARE EXISTING]

(3) The following stationary RICE do not have to meet the requirements of this subpart and of subpart A of this part, including initial notification requirements:

(i) [NA – ENGINE(S) <500 HP]

(ii) [NA – ENGINE(S) <500 HP]

(iii) [NA – ENGINE(S) <500 HP]

(iv) [NA – ENGINE(S) <500 HP]

(v) [NA – ENGINE(S) <500 HP]

(c) [NA – ENGINE(S) ARE EXISTING]

[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]

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

(a) Affected sources. (1) If you have an existing stationary RICE, excluding existing non-emergency CI stationary RICE, with a site rating of more than 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations, operating limitations and other requirements no later than June 15, 2007. If you have an existing non-emergency CI stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, AN EXISTING STATIONARY CI RICE WITH A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP LOCATED AT A MAJOR SOURCE OF HAP EMISSIONS, or an existing stationary CI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than May 3, 2013. IF YOU HAVE AN EXISTING STATIONARY SI RICE WITH A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP LOCATED AT A MAJOR SOURCE OF HAP EMISSIONS, or an existing stationary SI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than October 19, 2013.

(2) [NA – ENGINE(S) ARE EXISTING]

(3) [NA – ENGINE(S) ARE EXISTING]

(4) [NA – ENGINE(S) ARE EXISTING]

(5) [NA – ENGINE(S) ARE EXISTING]

(6) [NA – ENGINE(S) ARE EXISTING]

(7) [NA – ENGINE(S) ARE EXISTING]

(b) [NA – FACILITY IS MAJOR FOR HAP]

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

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

SECTION E. Source Group Restrictions.

Emission and Operating Limitations

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

[NA – ENGINE(S) <500 HP]

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

[NA – ENGINE(S) ARE EXISTING]

§ 63.6602 What emission limitations and other requirements must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?

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

TABLE 2c REQUIREMENTS: Item 1

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

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

b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;

c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.***

TABLE 2c REQUIREMENTS: Item 6

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

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

b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;

c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.***

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

* If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Table 2c of this subpart, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.
** Sources have the option to utilize an oil analysis program as described in § 63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2c of this subpart.
*** Sources can petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.

SECTION E. Source Group Restrictions.

[78 FR 6701, Jan. 30, 2013]

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

[NA – FACILITY IS MAJOR FOR HAP]

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

(a) [NA – ENGINE(S) ARE EMERGENCY]

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

(c) [NA – ENGINE(S) ARE EXISTING]

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

[78 FR 6702, Jan. 30, 2013, as amended at 85 FR 78463, Dec. 4, 2020]

General Compliance Requirements

§ 63.6605 What are my general requirements for complying with this subpart?

(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[75 FR 9675, Mar. 3, 2010, as amended at 78 FR 6702, Jan. 30, 2013]

Testing and Initial Compliance Requirements

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

[NA – ENGINE(S) <500 HP]

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

[NA – ENGINE(S) ARE EXISTING]

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

SECTION E. Source Group Restrictions.

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

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

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

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

§ 63.6615 When must I conduct subsequent performance tests?

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

§ 63.6620 What performance tests and other procedures must I use?

[PER TABLES 3 AND 4, NO TESTING APPLIES TO EMERGENCY ENGINES]

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

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

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

(c) [NA – LFG NOT USED]

(d) [NA – ENGINE(S) ARE EXISTING]

(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

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

(2) An existing emergency or black start stationary RICE with a site rating of less than or equal to 500 HP located at a major source of HAP emissions;

(3) [NA – FACILITY IS MAJOR FOR HAP]

(4) [NA – FACILITY IS MAJOR FOR HAP]

(5) [NA – FACILITY IS MAJOR FOR HAP]

(6) [NA – FACILITY IS MAJOR FOR HAP]

(7) [NA – FACILITY IS MAJOR FOR HAP]

(8) [NA – FACILITY IS MAJOR FOR HAP]

(9) [NA – FACILITY IS MAJOR FOR HAP]

(10) [NA – FACILITY IS MAJOR FOR HAP]

SECTION E. Source Group Restrictions.

(f) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.

(g) [NA – ENGINE(S) ARE EMERGENCY]

(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply. [NOTE: ONLY TABLE 2c APPLIES]

(i) If you own or operate a stationary CI engine that is subject to the work, operation or management practices in items 1 or 2 of Table 2c to this subpart or in items 1 or 4 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

(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]

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

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

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

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

(d) [NA – ENGINE(S) ARE EMERGENCY]

(e) [NA – ENGINE(S) ARE EMERGENCY]

SECTION E. Source Group Restrictions.

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

Continuous Compliance Requirements

§ 63.6635 How do I monitor and collect data to demonstrate continuous compliance?

[NA – NO EMISSION OR OPERATING LIMITATIONS

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

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you [NOTE: ONLY TABLE 2c APPLIES] according to methods specified in Table 6 to this subpart.

TABLE 6 REQUIREMENTS: Item 9

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

i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

END OF TABLE 6 REQUIREMENTS

(b) [NA – NO EMISSION OR OPERATING LIMITATIONS

(c) [NA – FACILITY IS MAJOR FOR HAP]

(d) [NA – ENGINE(S) ARE EXISTING]

(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) 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 E. Source Group Restrictions.

(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) [NA – VACATED BY COURT ORDER AS OF 5/2/16]

(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) Emergency stationary RICE located at area 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. Except as provided in paragraphs (f)(4)(i) and (ii) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) Prior to May 3, 2014, the 50 hours per year for non-emergency situations can be used for peak shaving or non-emergency demand response to generate income for a facility, or to otherwise supply power as part of a financial arrangement with another entity if the engine is operated as part of a peak shaving (load management program) with the local distribution system operator and the power is provided only to the facility itself or to support the local distribution system.

(ii) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator.

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

[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]

Notifications, Reports, and Records

§ 63.6645 What notifications must I submit and when?

SECTION E. Source Group Restrictions.

(a) You must submit all of the notifications in §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to you by the dates specified if you own or operate any of the following;
(1) An existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions.

(2) [NA – FACILITY IS MAJOR FOR HAP]

(3) [NA – ENGINE(S) <500 HP]

(4) [NA – ENGINE(S) ARE EXISTING]

(5) THIS REQUIREMENT DOES NOT APPLY IF YOU OWN OR OPERATE an existing stationary RICE less than 100 HP, AN EXISTING STATIONARY EMERGENCY RICE, or an existing stationary RICE that is not subject to any numerical emission standards.

(b) [NA – PER (a)(5)]

(c) [NA – PER (a)(5)]

(d) [NA – PER (a)(5)]

(e) [NA – PER (a)(5)]

(f) [NA – PER (a)(5)]

(g) [NA – NO TESTING REQUIRED]

(h) [NA – NO TESTING REQUIRED]

(i) [NA – FACILITY IS MAJOR FOR HAP]

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

§ 63.6650 What reports must I submit and when?

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

TABLE 7 REQUIREMENTS: Item 4

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

END OF TABLE 7 REQUIREMENTS

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

(1) [NA – REQUIRED REPORT IS ANNUAL]

(2) [NA – REQUIRED REPORT IS ANNUAL]

(3) [NA – REQUIRED REPORT IS ANNUAL]

SECTION E. Source Group Restrictions.

(4) [NA – REQUIRED REPORT IS ANNUAL]

(5) [NA – REQUIRED REPORT IS ANNUAL]

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

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

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

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

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

(1) Company name and address.

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

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

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

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

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

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

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

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

(g) [NA – ENGINE(S) ARE EXISTING]

(h) If you own or operate an emergency stationary RICE with a site rating of more than 100 brake HP that operates or is 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) or that operates for the purpose specified in § 63.6640(f)(4)(ii), you must submit an annual report according to the requirements in paragraphs (h)(1) through (3) of this section.

(1) The report must contain the following information:

(i) Company name and address where the engine is located.

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

(iii) Engine site rating and model year.

(iv) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.

(v) Hours operated for the purposes specified in § 63.6640(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in § 63.6640(f)(2)(ii) and (iii).

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(vi) Number of hours the engine is contractually obligated to be available for the purposes specified in § 63.6640(f)(2)(ii) and (iii).

(vii) Hours spent for operation for the purpose specified in § 63.6640(f)(4)(ii), including the date, start time, and end time for engine operation for the purposes specified in § 63.6640(f)(4)(ii). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(viii) If there were no deviations from the fuel requirements in § 63.6604 that apply to the engine (if any), a statement that there were no deviations from the fuel requirements during the reporting period.

(ix) If there were deviations from the fuel requirements in § 63.6604 that apply to the engine (if any), information on the number, duration, and cause of deviations, and the corrective action taken.

(2) The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

(3) The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in § 63.13.

[69 FR 33506, June 15, 2004, as amended at 75 FR 9677, Mar. 3, 2010; 78 FR 6705, Jan. 30, 2013]

§ 63.6655 What records must I keep?

(a) If you must comply with the emission and operating limitations, you must keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.

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

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(3) [NA – NO TESTING REQUIRED]

(4) [NA – NO EMISSION OR OPERATING LIMITATIONS

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with § 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(b) [NA – NO EMISSION OR OPERATING LIMITATIONS

(c) [NA – ENGINE(S) ARE EXISTING]

(d) You must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to you.

(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE;

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

(2) An existing stationary emergency RICE.

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(3) [NA – FACILITY IS MAJOR FOR HAP]

(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep records of 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) [NA – FACILITY IS MAJOR FOR HAP]

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 78 FR 6706, Jan. 30, 2013]

§ 63.6660 In what form and how long must I keep my records?

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

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

(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1).

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010]

Other Requirements and Information

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

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

[75 FR 9678, Mar. 3, 2010]

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

SECTION E. Source Group Restrictions.

Group Name: 011 RACT 1

Group Description: RACT 1

Sources included in this group

ID	Name
110	EMERGENCY GENERATORS
405	NUMBER 1 ROTARY KILN (WITH O2)
415	NUMBER 2 ROTARY KILN (WITH O2)
801	CURING OVEN
810	TUNNEL KILN #5
820	TUNNEL KILN #6
830	BICKLEY PERIODIC KILN

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §129.91]

Control of major sources of NOx and VOCs

J. E. Baker Co., West Manchester Township, York County
RACT Operating Permit No. 67-2001 SIP requirements

1. The source and any associated air cleaning devices are to be:

a. operated in such a manner as not to cause air pollution;
b. in compliance with the specifications and conditions of the Reasonably Available Control Technology (RACT) plan;
c. operated and maintained in a manner consistent with good operating and maintenance practices.

4. This permit constitutes a RACT determination for oxides of nitrogen (NOx) emissions as per 25 Pa. Code, Sections 129.91 and 129.92 for the following sources and operations at the J. E. Baker/DBCA Refractory facility:

[Source:] Manufacturer: AIMS ID#

SECTION E. Source Group Restrictions.

No. 1 Rotary Kiln: Fuller: 109
No. 2 Rotary Kiln: KVS: 110
Well Block Oven and Incinerator: Saxton Air Systems: 121
Despatch Oven and Incinerator: - : 801
No. 5 Tunnel Kiln: British Ceramic Society: 810
No. 6 Tunnel Kiln: Swindler-Dressler: 820
No. 7 Periodic Kiln and Incinerator: Bickley: 830
Stationary I.C. Engines: :

6. All combustion sources listed in Condition 4 above, except for the Nos. 1 and 2 rotary kilns, must comply with the requirements of 25 Pa. Code, §129.93(c).

7. NOx emissions from the No. 1 rotary kiln shall not exceed 34.0 pounds of NOx per ton of product.

8. NOx emissions from the No. 2 rotary kiln shall not exceed 38.0 pounds of NOx per ton of product.

9. The Department reserves the right to amend the emission rates in Conditions 7 and 8 above as necessary based upon information collected in accordance with Condition 10 below.

10. NOx emissions from the No. 1 and No. 2 rotary kilns shall be verified annually by testing during the period from May 1st through October 31st or by some other means approved by the Department for each year authorized by the operating permit or its renewal. This testing shall begin in calendar year 1995 and shall be conducted in accordance with the provisions of Chapter 139 of the Department's rules and regulations.

11. An annual report as per Section 129.95 containing, but not limited to, the following data for each fuel-burning unit complying with 25 Pa. Code, §129.93(c) shall be submitted to the York District Supervisor:

a. identification of each source
b. hours of operation per quarter
c. fuel combusted per quarter
d. fuel analysis for each fuel shipment received
e. pounds of NOX emitted per quarter

The report for each January 1 through December 31 period is due no later March 1 of the following year for each year authorized by the operating permit or its renewal.

[Note: "Well Block Oven and Incinerator: Saxton Air Systems: 121" has been removed from the site in 2019.]

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

SECTION E. Source Group Restrictions.

Group Name: 013

Group Description: NSPS SUBPART Y

Sources included in this group

ID	Name
1366	COAL ELEVATOR

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

 # 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.250]

Subpart Y - Standards of Performance for Coal Preparation Plants

Applicability and designation of affected facility.

Subpart Y—Standards of Performance for Coal Preparation and Processing Plants

§60.250 Applicability and designation of affected facility.

(a) The provisions of this subpart apply to affected facilities in coal preparation and processing plants that process more than 181 megagrams (Mg) (200 tons) of coal per day

(b) [NA-COAL ELEVATOR INSTALLED AFTER APRIL 28, 2008]

(c) [NA installed after May 27, 2009]

(d) The provisions in §§60.251, 60.252(b)(1) through (3), and (c), 60.253(b), 60.254(b) and (c), 60.255(b) through (h), 60.256(b) and (c), 60.257, and 60.258 of this subpart are applicable to any of the following affected facilities that commenced construction, reconstruction or modification after May 27, 2009: Thermal dryers, pneumatic coal-cleaning equipment (air tables), coal processing and conveying equipment (including breakers and crushers), coal storage systems, transfer and loading systems, and open storage piles.

§60.251 Definitions.

SECTION E. Source Group Restrictions.

[DEFINITIONS OF 60.251 INCORPORATED BY REFERENCE]

§60.252 Standards for thermal dryers.

(a) [N/A – NO THERMAL DRYER CONSTRUCTED, RECONSTRUCTED, OR MODIFIED BETWEEN OCTOBER 24, 1974 AND APRIL 28, 2008]

(b) [N/A - NO THERMAL DRYER CONSTRUCTED, RECONSTRUCTED, OR MODIFIED AFTER APRIL 28, 2008]

(c) [NA- NO THERMAL DRYERS SUBJECT TO THIS SUBPART]

§60.253 Standards for pneumatic coal-cleaning equipment.
(a)-(b)[NA-NO COAL CLEANING EQUIPMENT INSTALLED OR MODIFIED AFTER MAY 27, 2009]

§60.254 Standards for coal processing and conveying equipment, coal storage systems, transfer and loading systems, and open storage piles.

(a) [NA- COAL ELEVATOR REPLACED AFTER APRIL 28, 2008]

(b) On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

(1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater.

(2) [NA-NO MECHANICAL VENTS]

(3) [NA-COAL STORAGE PILES ARE COVERED. ELEVATOR IS SUBJECT TO 60.254(b)(1).

(c) [NA-COAL STORAGE PILES ARE COVERED]

§60.255 Performance tests and other compliance requirements.

(a) [NA-ELEVATOR CONSTRUCTED AFTER APRIL 28, 2008]

(b) An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emissions standards in this subpart as specified in paragraphs (b)(1) and (2) of this section.

(1) [NA- NO PM, SO2, OR COMBINED NOX AND CO EMISSIONS STANDARD, NO PERFORMANCE TEST REQUIRED]

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through (iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

(ii) If all 6-minute average opacity readings in the most recent performance test are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

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(iii) [NA-NO SCRUBBERS]

(c) [NA- AFFECTED SOURCES ARE ENCLOSED AND SUBJECT TO THE OPACITY LIMIT OF 60.254)b)(1)]

(d) [NA-NO PM STANDARD, NO CONTROL DEVICE]

(e) [NA-LESS THAN FIVE UNITS ARE INSTALLED AFTER APRIL 28, 2008]

(f) As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

(ii) Conduct monthly visual observations of all process and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

(iii) Conduct a performance test using Method 9 of appendix A-4 of this part at least once every 5 calendar years for each affected facility.

(2) Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administrator or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of 5 percent of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS “Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems.” This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator or delegated authority shall be implemented by the owner or operator.

(g) As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, subject to a visible emissions standard under this subpart may install, operate, and maintain a continuous opacity monitoring system (COMS). Each COMS used to comply with provisions of this subpart must be installed, calibrated, maintained, and continuously operated according to the requirements in paragraphs (g)(1) and (2) of this section.

(1) The COMS must meet Performance Specification 1 in 40 CFR part 60, appendix B.

(2) The COMS must comply with the quality assurance requirements in paragraphs (g)(2)(i) through (v) of this section.

(i) The owner or operator must automatically (intrinsic to the opacity monitor) check the zero and upscale (span) calibration drifts at least once daily. For particular COMS, the acceptable range of zero and upscale calibration materials is as defined in the applicable version of Performance Specification 1 in 40 CFR part 60, appendix B.

(ii) The owner or operator must adjust the zero and span whenever the 24-hour zero drift or 24-hour span drift exceeds 4 percent opacity. The COMS must allow for the amount of excess zero and span drift measured at the 24-hour interval checks to be recorded and quantified. The optical surfaces exposed to the effluent gases must be cleaned prior to

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performing the zero and span drift adjustments, except for systems using automatic zero adjustments. For systems using automatic zero adjustments, the optical surfaces must be cleaned when the cumulative automatic zero compensation exceeds 4 percent opacity.

(iii) The owner or operator must apply a method for producing a simulated zero opacity condition and an upscale (span) opacity condition using a certified neutral density filter or other related technique to produce a known obscuration of the light beam. All procedures applied must provide a system check of the analyzer internal optical surfaces and all electronic circuitry including the lamp and photodetector assembly.

(iv) Except during periods of system breakdowns, repairs, calibration checks, and zero and span adjustments, the COMS must be in continuous operation and must complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period.

(v) The owner or operator must reduce all data from the COMS to 6-minute averages. Six-minute opacity averages must be calculated from 36 or more data points equally spaced over each 6-minute period. Data recorded during periods of system breakdowns, repairs, calibration checks, and zero and span adjustments must not be included in the data averages. An arithmetic or integrated average of all data may be used.

(h) [NA-ONLY COAL ELEVATOR CONTRUCTED AFTER APRIL 28, 2008]

§60.256 Continuous monitoring requirements.

(a) [NA NO FACILITIES CONSTRUCTED OR MODIFIED BETWEEN OCTOBER 24, 1974 AND APRIL 28, 2008]

(b) [NA-NO MECHANICAL VENTS]

(c) [NA-NO BAG LEAK DETECTION SYSTEM IS USED]

§60.257 Test methods and procedures.

(a) The owner or operator must determine compliance with the applicable opacity standards as specified in paragraphs (a)(1) through (3) of this section.

(1) Method 9 of appendix A-4 of this part and the procedures in §60.11 must be used to determine opacity, with the exceptions specified in paragraphs (a)(1)(i) and (ii).

(i) The duration of the Method 9 of appendix A-4 of this part performance test shall be 1 hour (ten 6-minute averages).

(ii) If, during the initial 30 minutes of the observation of a Method 9 of appendix A-4 of this part performance test, all of the 6-minute average opacity readings are less than or equal to half the applicable opacity limit, then the observation period may be reduced from 1 hour to 30 minutes.

(2) To determine opacity for fugitive coal dust emissions sources, the additional requirements specified in paragraphs (a)(2)(i) through (iii) must be used.

(i) The minimum distance between the observer and the emission source shall be 5.0 meters (16 feet), and the sun shall be oriented in the 140-degree sector of the back.

(ii) The observer shall select a position that minimizes interference from other fugitive coal dust emissions sources and make observations such that the line of vision is approximately perpendicular to the plume and wind direction.

(iii) The observer shall make opacity observations at the point of greatest opacity in that portion of the plume where condensed water vapor is not present. Water vapor is not considered a visible emission.

(3) A visible emissions observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions specified in paragraphs (a)(3)(i) through (iii) of this section are met.

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(i) No more than three emissions points may be read concurrently.

(ii) All three emissions points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points.

(iii) If an opacity reading for any one of the three emissions points is within 5 percent opacity from the applicable standard (excluding readings of zero opacity), then the observer must stop taking readings for the other two points and continue reading just that single point.

(b) The owner or operator must conduct all performance tests required by §60.8 to demonstrate compliance with the applicable emissions standards specified in §60.252 according to the requirements in §60.8 using the applicable test methods and procedures in paragraphs (b)(1) through (8) of this section.

(1) Method 1 or 1A of appendix A-4 of this part shall be used to select sampling port locations and the number of traverse points in each stack or duct. Sampling sites must be located at the outlet of the control device (or at the outlet of the emissions source if no control device is present) prior to any releases to the atmosphere.

(2) Method 2, 2A, 2C, 2D, 2F, or 2G of appendix A-4 of this part shall be used to determine the volumetric flow rate of the stack gas.

(3) Method 3, 3A, or 3B of appendix A-4 of this part shall be used to determine the dry molecular weight of the stack gas. The owner or operator may use ANSI/ASME PTC 19.10-1981, “Flue and Exhaust Gas Analyses (incorporated by reference—see §60.17) as an alternative to Method 3B of appendix A-2 of this part.

(4) Method 4 of appendix A-4 of this part shall be used to determine the moisture content of the stack gas.

(5) Method 5, 5B or 5D of appendix A-4 of this part or Method 17 of appendix A-7 of this part shall be used to determine the PM concentration as follows:

(i) The sampling time and sample volume for each run shall be at least 60 minutes and 0.85 dscm (30 dscf). Sampling shall begin no less than 30 minutes after startup and shall terminate before shutdown procedures begin. A minimum of three valid test runs are needed to comprise a PM performance test.

(ii) Method 5 of appendix A of this part shall be used only to test emissions from affected facilities without wet flue gas desulfurization (FGD) systems.

(iii) Method 5B of appendix A of this part is to be used only after wet FGD systems.

(iv) Method 5D of appendix A-4 of this part shall be used for positive pressure fabric filters and other similar applications (e.g., stub stacks and roof vents).

(v) Method 17 of appendix A-6 of this part may be used at facilities with or without wet scrubber systems provided the stack gas temperature does not exceed a temperature of 160 °C (320 °F). The procedures of sections 8.1 and 11.1 of Method 5B of appendix A-3 of this part may be used in Method 17 of appendix A-6 of this part only if it is used after a wet FGD system. Do not use Method 17 of appendix A-6 of this part after wet FGD systems if the effluent is saturated or laden with water droplets.

(6) Method 6, 6A, or 6C of appendix A-4 of this part shall be used to determine the SO2 concentration. A minimum of three valid test runs are needed to comprise an SO2 performance test.

(7) Method 7 or 7E of appendix A-4 of this part shall be used to determine the NOX concentration. A minimum of three valid test runs are needed to comprise an NOX performance test.

(8) Method 10 of appendix A-4 of this part shall be used to determine the CO concentration. A minimum of three valid test runs are needed to comprise a CO performance test. CO performance tests are conducted concurrently (or within a 60-minute period) with NOX performance tests.

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§60.258 Reporting and recordkeeping.

(a) The owner or operator of a coal preparation and processing plant that commenced construction, reconstruction, or modification after April 28, 2008, shall maintain in a logbook (written or electronic) on-site and make it available upon request. The logbook shall record the following:

(1) The manufacturer's recommended maintenance procedures and the date and time of any maintenance and inspection activities and the results of those activities. Any variance from manufacturer recommendation, if any, shall be noted.

(2) The date and time of periodic coal preparation and processing plant visual observations, noting those sources with visible emissions along with corrective actions taken to reduce visible emissions. Results from the actions shall be noted.

(3) The amount and type of coal processed each calendar month.

(4) The amount of chemical stabilizer or water purchased for use in the coal preparation and processing plant.

(5) Monthly certification that the dust suppressant systems were operational when any coal was processed and that manufacturer's recommendations were followed for all control systems. Any variance from the manufacturer's recommendations, if any, shall be noted.

(6) Monthly certification that the fugitive coal dust emissions control plan was implemented as described. Any variance from the plan, if any, shall be noted. A copy of the applicable fugitive coal dust emissions control plan and any letters from the Administrator providing approval of any alternative control measures shall be maintained with the logbook. Any actions, e.g., objections, to the plan and any actions relative to the alternative control measures, e.g., approvals, shall be noted in the logbook as well.

(7) [NA-BAGLEAK DETECTION SYSTEM IS NOT USED]

(8) A copy of any applicable monitoring plan for a digital opacity compliance system and monthly certification that the plan was implemented as described. Any variance from plan, if any, shall be noted.

(9) [NA-NO WET SCRUBBERS ARE SUBJECT TO THE SUBPART]

(10) [NA NO CONTROL EQUIPMENT IS SUBJECT TO THE SUBPART]

(b) For the purpose of reports required under section 60.7(c), any owner operator subject to the provisions of this subpart also shall report semiannually periods of excess emissions as follow:

(1) The owner or operator of an affected facility with a wet scrubber shall submit semiannual reports to the Administrator or delegated authority of occurrences when the measurements of the scrubber pressure loss, water supply flow rate, or pH of the wet scrubber liquid vary by more than 10 percent from the average determined during the most recent performance test.

(2) The owner or operator of an affected facility with control equipment other than a wet scrubber shall submit semiannual reports to the Administrator or delegated authority of occurrences when the measurements of the reagent injection flow rate, as applicable, vary by more than 10 percent from the average determined during the most recent performance test.

(3) All 6-minute average opacities that exceed the applicable standard.

(c) The owner or operator of an affected facility shall submit the results of initial performance tests to the Administrator or delegated authority, consistent with the provisions of section 60.8. The owner or operator who elects to comply with the reduced performance testing provisions of sections 60.255(c) or (d) shall include in the performance test report identification of each affected facility that will be subject to the reduced testing. The owner or operator electing to comply with section 60.255(d) shall also include information which demonstrates that the control devices are identical.

(d) After July 1, 2011, within 60 days after the date of completing each performance evaluation conducted to demonstrate compliance with this subpart, the owner or operator of the affected facility must submit the test data to EPA by successfully entering the data electronically into EPA's WebFIRE data base available at http://cfpub.epa.gov/oarweb/index.cfm?action =

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fire.main. For performance tests that cannot be entered into WebFIRE (i.e., Method 9 of appendix A-4 of this part opacity performance tests) the owner or operator of the affected facility must mail a summary copy to United States Environmental Protection Agency; Energy Strategies Group; 109 TW Alexander DR; mail code: D243-01; RTP, NC 27711.

[74 FR 51977, Oct. 8, 2009]

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

SECTION E. Source Group Restrictions.

Group Name: 014

Group Description: Subpart OOO

Sources included in this group

ID	Name
1017A	JAW CRUSHER
1018	PRIMARY CRUSHER CONVEYOR
1029A	SINGLE PRIMARY SCREENER
1030	MMD CRUSHER (SECONDARY CRUSHER)
1031	SECONDARY CRUSHER CONVEYOR
1066	GRINDING PLANT
1130	BINS 35 A & B
1170	MEAL BIN AREA TRIPPER CONVEYOR
1176	OTHER DRYER SYSTEM SCREENERS
1198	BUCKET ELEVATOR NO 8
1275	MIDWESTERN 5-DECK VIBRATORY SCREEN
1288	BIN 36 SYSTEM
1711	DRYER SYSTEM SCREENER
1716	BRADLEY MILL
1724	PRODUCT BIN
1751	PA CRUSHER
1756	DRYER SYSTEM SCREENER
7714	OTHER PELLET SYSTEM SOURCES
8057	NO 5 BALL MILL

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

SECTION E. Source Group Restrictions.

VII. ADDITIONAL REQUIREMENTS.

[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

Applicability and designation of affected facility.

§ 60.670 Applicability and designation of affected facility.

(a)(1) Except as provided in paragraphs (a)(2), (b), (c), and (d) of this section, the provisions of this subpart are applicable to the following affected facilities in fixed or portable nonmetallic mineral processing plants: each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station. Also, crushers and grinding mills at hot mix asphalt facilities that reduce the size of nonmetallic minerals embedded in recycled asphalt pavement and subsequent affected facilities up to, but not including, the first storage silo or bin are subject to the provisions of this subpart.

(2) The provisions of this subpart do not apply to the following operations: All facilities located in underground mines; plants without crushers or grinding mills above ground; and wet material processing operations (as defined in § 60.671).

(b) An affected facility that is subject to the provisions of subparts F or I of this part or that follows in the plant process any facility subject to the provisions of subparts F or I of this part is not subject to the provisions of this subpart.

(c) Facilities at the following plants are not subject to the provisions of this subpart:

(1) Fixed sand and gravel plants and crushed stone plants with capacities, as defined in § 60.671, of 23 megagrams per hour (25 tons per hour) or less;

(2) Portable sand and gravel plants and crushed stone plants with capacities, as defined in § 60.671, of 136 megagrams per hour (150 tons per hour) or less; and

(3) Common clay plants and pumice plants with capacities, as defined in § 60.671, of 9 megagrams per hour (10 tons per hour) or less.

(d)(1) When an existing facility is replaced by a piece of equipment of equal or smaller size, as defined in § 60.671, having the same function as the existing facility, and there is no increase in the amount of emissions, the new facility is exempt from the provisions of §§ 60.672, 60.674, and 60.675 except as provided for in paragraph (d)(3) of this section.

(2) An owner or operator complying with paragraph (d)(1) of this section shall submit the information required in § 60.676(a).

(3) An owner or operator replacing all existing facilities in a production line with new facilities does not qualify for the exemption described in paragraph (d)(1) of this section and must comply with the provisions of §§ 60.672, 60.674 and 60.675.

(e) An affected facility under paragraph (a) of this section that commences construction, modification, or reconstruction after August 31, 1983, is subject to the requirements of this part.

(f) Table 1 of this subpart specifies the provisions of subpart A of this part 60 that do not apply to owners and operators of affected facilities subject to this subpart or that apply with certain exceptions.

§ 60.671 Definitions. [INCORPORATED BY REFERENCE]

§ 60.672 Standard for particulate matter (PM).

(a) Affected facilities must meet the stack emission limits and compliance requirements in Table 2 of this subpart within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under § 60.8. The requirements in Table 2 of this subpart apply for affected facilities with capture systems used to capture and transport particulate matter to a control device.

TABLE 2 REQUIREMENTS:

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For affected facilities (as defined in §§ 60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008, the owner or operator must meet a PM limit of 0.05 g/dscm (0.022 gr/dscf)*, and the owner or operator must meet an opacity limit of 7 percent for dry control devices**. The owner or operator must demonstrate compliance with these limits by conducting an initial performance test according to § 60.8 of this part and § 60.675 of this subpart; and monitoring of wet scrubber parameters according to § 60.674(a) and § 60.676(c), (d), and (e). [THIS APPLIES TO ALL BAGHOUSES ASSOCIATED WITH SOURCES IN THIS GROUP EXCEPT C1736]

For affected facilities (as defined in §§ 60.670 and 60.671) that commence construction, modification, or reconstruction on or after April 22, 2008, the owner or operator must meet a PM limit of 0.032 g/dscm (0.014 gr/dscf) *, and the owner or operator must meet an opacity limit of 7 percent for dry control devices on individual enclosed storage bins. The owner or operator must demonstrate compliance with these limits by conducting an initial performance test according to § 60.8 of this part and § 60.675 of this subpart; and monitoring of wet scrubber parameters according to § 60.674(a) and § 60.676(c), (d), and (e); and monitoring of baghouses according to § 60.674(c), (d), or (e) and § 60.676(b). [THIS APPLES TO BAGHOUSE C1736]

* Exceptions to the PM limit apply for individual enclosed storage bins and other equipment. See § 60.672(d) through (f).

END OF TABLE 2 REQUIREMENTS:

(b) Affected facilities must meet the fugitive emission limits and compliance requirements in Table 3 of this subpart within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under § 60.11. The requirements in Table 3 of this subpart apply for fugitive emissions from affected facilities without capture systems and for fugitive emissions escaping capture systems.

TABLE 3 REQUIREMENTS:

For affected facilities (as defined in §§ 60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008, the owner or operator must meet the following fugitive emissions limit for grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in §§ 60.670 and 60.671): 10 percent opacity. The owner or operator must meet the following fugitive emissions limit for crushers at which a capture system is not used: 15 percent opacity The owner or operator must demonstrate compliance with these limits by conducting An initial performance test according to § 60.11 of this part and § 60.675 of this subpart. [THIS APPLIES TO ALL SOURCES EXCEPT 1029 (PREDATES OOO) AND CONVEYOR 6D IN SOURCE 1066 (INSTALLED PER RFD 10/2013), AND 1275 (INSTALLED PER RFD 8/9/17) AND 1015A, 1017A, 1029A, 1018, 1030, 1031 (TO BE INSTALLED 2019)]

For Affected facilities (as defined in §§ 60.670 and 60.671) that commence construction, modification, or reconstruction on or after April 22, 2008, the owner or operator must meet the following fugitive emissions limit for grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in §§ 60.670 and 60.671): 7 percent opacity. The owner or operator must meet the following fugitive emissions limit for crushers at which a capture system is not used: 12 percent opacity. The owner or operator must demonstrate compliance with these limits by conducting a repeat performance test according to § 60.11 of this part and § 60.675 of this subpart within 5 years from the previous performance test for fugitive emissions from affected facilities without water sprays. Affected facilities controlled by water carryover from upstream water sprays that are inspected according to the requirements in § 60.674(b) and § 60.676(b) are exempt from this 5-year repeat testing requirement. [THIS APPLIES TO CONVEYOR 6D IN SOURCE 1066 (INSTALLED PER RFD 10/2013), AND 1275 (INSTALLED PER RFD 8/9/17) AND 1015A, 1017A, 1029A, 1018, 1030, 1031 (TO BE INSTALLED 2019)]

END OF TABLE 3 REQUIREMENTS:

(c) [Reserved]

(d) Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of this section.

(e) If any transfer point on a conveyor belt or any other affected facility is enclosed in a building, then each enclosed affected facility must comply with the emission limits in paragraphs (a) and (b) of this section, or the building enclosing the affected

SECTION E. Source Group Restrictions.

facility or facilities must comply with the following emission limits:

(1) Fugitive emissions from the building openings (except for vents as defined in § 60.671) must not exceed 7 percent opacity; and

(2) Vents (as defined in § 60.671) in the building must meet the applicable stack emission limits and compliance requirements in Table 2 of this subpart.

(f) Any baghouse that controls emissions from only an individual, enclosed storage bin is exempt from the applicable stack PM concentration limit (and associated performance testing) in Table 2 of this subpart but must meet the applicable stack opacity limit and compliance requirements in Table 2 of this subpart. This exemption from the stack PM concentration limit does not apply for multiple storage bins with combined stack emissions.

§ 60.673 Reconstruction.

(a) The cost of replacement of ore-contact surfaces on processing equipment shall not be considered in calculating either the "fixed capital cost of the new components" or the "fixed capital cost that would be required to construct a comparable new facility" under § 60.15. Ore-contact surfaces are crushing surfaces; screen meshes, bars, and plates; conveyor belts; and elevator buckets.

(b) Under § 60.15, the "fixed capital cost of the new components" includes the fixed capital cost of all depreciable components (except components specified in paragraph (a) of this section) which are or will be replaced pursuant to all continuous programs of component replacement commenced within any 2-year period following August 31, 1983.

§ 60.674 Monitoring of operations.

(a) [NA – NO WET SCRUBBERS]

(b) [THIS APPLIES TO CONVEYOR 6D IN SOURCE 1066 (INSTALLED PER RFD 10/2013), AND 1275 (INSTALLED PER RFD 8/9/17) AND 1015A, 1017A, 1029A, 1018, 1030, 1031 (TO BE INSTALLED 2019)] The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under § 60.676(b).

(1) If an affected facility relies on water carryover from upstream water sprays to control fugitive emissions, then that affected facility is exempt from the 5-year repeat testing requirement specified in Table 3 of this subpart provided that the affected facility meets the criteria in paragraphs (b)(1)(i) and (ii) of this section:

(i) The owner or operator of the affected facility conducts periodic inspections of the upstream water spray(s) that are responsible for controlling fugitive emissions from the affected facility. These inspections are conducted according to paragraph (b) of this section and § 60.676(b), and

(ii) The owner or operator of the affected facility designates which upstream water spray(s) will be periodically inspected at the time of the initial performance test required under § 60.11 of this part and § 60.675 of this subpart.

(2) If an affected facility that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required under § 60.676(b) must specify the control mechanism being used instead of the water sprays.

(c) [THIS APPLES TO BAGHOUSE C1736] Except as specified in paragraph (d) or (e) of this section, the owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses a baghouse to control emissions must conduct quarterly 30-minute visible emissions inspections using EPA Method 22

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(40 CFR part 60, Appendix A-7). The Method 22 (40 CFR part 60, Appendix A-7) test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner or operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner or operator must record each Method 22 (40 CFR part 60, Appendix A-7) test, including the date and any corrective actions taken, in the logbook required under § 60.676(b). The owner or operator of the affected facility may establish a different baghouse-specific success level for the visible emissions test (other than no visible emissions) by conducting a PM performance test according to § 60.675(b) simultaneously with a Method 22 (40 CFR part 60, Appendix A-7) to determine what constitutes normal visible emissions from that affected facility's baghouse when it is in compliance with the applicable PM concentration limit in Table 2 of this subpart. The revised visible emissions success level must be incorporated into the permit for the affected facility.

(d) [NA – BLDS NOT ELECTED FOR BAGHOUSE C1736]

(e) As an alternative to the periodic Method 22 (40 CFR part 60, Appendix A-7) visible emissions inspections specified in paragraph (c) of this section, the owner or operator of any affected facility that is subject to the requirements for processed stone handling operations in the Lime Manufacturing NESHAP (40 CFR part 63, subpart AAAAA) may follow the continuous compliance requirements in row 1 items (i) through (iii) of Table 6 to Subpart AAAAA of 40 CFR part 63.

§ 60.675 Test methods and procedures.

(a) In conducting the performance tests required in § 60.8, the owner or operator shall use as reference methods and procedures the test methods in appendices A-1 through A-7 of this part or other methods and procedures as specified in this section, except as provided in § 60.8(b). Acceptable alternative methods and procedures are given in paragraph (e) of this section.

(b) The owner or operator shall determine compliance with the PM standards in § 60.672(a) as follows:

(1) Except as specified in paragraphs (e)(3) and (4) of this section, Method 5 of Appendix A-3 of this part or Method 17 of Appendix A-6 of this part shall be used to determine the particulate matter concentration. The sample volume shall be at least 1.70 dscm (60 dscf). For Method 5 (40 CFR part 60, Appendix A-3), if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 °C (250 °F), to prevent water condensation on the filter.

(2) Method 9 of Appendix A-4 of this part and the procedures in § 60.11 shall be used to determine opacity.

(c)(1) In determining compliance with the particulate matter standards in § 60.672(b) or § 60.672(e)(1), the owner or operator shall use Method 9 of Appendix A-4 of this part and the procedures in § 60.11, with the following additions:

(i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).

(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed.

(iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

(2)(i) In determining compliance with the opacity of stack emissions from any baghouse that controls emissions only from an individual enclosed storage bin under § 60.672(f) of this subpart, using Method 9 (40 CFR part 60, Appendix A-4), the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations shall be 1 hour (ten 6-minute averages).

(ii) The duration of the Method 9 (40 CFR part 60, Appendix A-4) observations may be reduced to the duration the affected facility operates (but not less than 30 minutes) for baghouses that control storage bins or enclosed truck or railcar loading stations that operate for less than 1 hour at a time.

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(3) When determining compliance with the fugitive emissions standard for any affected facility described under § 60.672(b) or § 60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages.

(d) To demonstrate compliance with the fugitive emission limits for buildings specified in § 60.672(e)(1), the owner or operator must complete the testing specified in paragraph (d)(1) and (2) of this section. Performance tests must be conducted while all affected facilities inside the building are operating.

(1) If the building encloses any affected facility that commences construction, modification, or reconstruction on or after April 22, 2008, the owner or operator of the affected facility must conduct an initial Method 9 (40 CFR part 60, Appendix A-4) performance test according to this section and § 60.11.

(2) If the building encloses only affected facilities that commenced construction, modification, or reconstruction before April 22, 2008, and the owner or operator has previously conducted an initial Method 22 (40 CFR part 60, Appendix A-7) performance test showing zero visible emissions, then the owner or operator has demonstrated compliance with the opacity limit in § 60.672(e)(1). If the owner or operator has not conducted an initial performance test for the building before April 22, 2008, then the owner or operator must conduct an initial Method 9 (40 CFR part 60, Appendix A-4) performance test according to this section and § 60.11 to show compliance with the opacity limit in § 60.672(e)(1).

(e) The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:

(1) For the method and procedure of paragraph (c) of this section, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

(i) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.

(ii) Separate the emissions so that the opacity of emissions from each affected facility can be read.

(2) A single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

(i) No more than three emission points may be read concurrently.

(ii) All three emission points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points.

(iii) If an opacity reading for any one of the three emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two points and continue reading just that single point.

(3) Method 5I of Appendix A-3 of this part may be used to determine the PM concentration as an alternative to the methods specified in paragraph (b)(1) of this section. Method 5I (40 CFR part 60, Appendix A-3) may be useful for affected facilities that operate for less than 1 hour at a time such as (but not limited to) storage bins or enclosed truck or railcar loading stations.

(4) In some cases, velocities of exhaust gases from building vents may be too low to measure accurately with the type S pitot tube specified in EPA Method 2 of Appendix A-1 of this part [i.e., velocity head <1.3 mm H2 O (0.05 in. H2 O)] and referred to in EPA Method 5 of Appendix A-3 of this part. For these conditions, the owner or operator may determine the average gas flow rate produced by the power fans (e.g., from vendor-supplied fan curves) to the building vent. The owner or operator may calculate the average gas velocity at the building vent measurement site using Equation 1 of this section and use this average velocity in determining and maintaining isokinetic sampling rates.

[SEE REGULATION FOR EQUATION]

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(f) To comply with § 60.676(d), the owner or operator shall record the measurements as required in § 60.676(c) using the monitoring devices in § 60.674 (a)(1) and (2) during each particulate matter run and shall determine the averages.

(g) For performance tests involving only Method 9 (40 CFR part 60 Appendix A-4) testing, the owner or operator may reduce the 30-day advance notification of performance test in § 60.7(a)(6) and 60.8(d) to a 7-day advance notification.

(h) [Reserved]

(i) If the initial performance test date for an affected facility falls during a seasonal shut down (as defined in § 60.671 of this subpart) of the affected facility, then with approval from the permitting authority, the owner or operator may postpone the initial performance test until no later than 60 calendar days after resuming operation of the affected facility.

§ 60.676 Reporting and recordkeeping.

(a) Each owner or operator seeking to comply with § 60.670(d) shall submit to the Administrator the following information about the existing facility being replaced and the replacement piece of equipment.

(1) For a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:

(i) The rated capacity in megagrams or tons per hour of the existing facility being replaced and

(ii) The rated capacity in tons per hour of the replacement equipment.

(2) For a screening operation:

(i) The total surface area of the top screen of the existing screening operation being replaced and

(ii) The total surface area of the top screen of the replacement screening operation.

(3) For a conveyor belt:

(i) The width of the existing belt being replaced and

(ii) The width of the replacement conveyor belt.

(4) For a storage bin:

(i) The rated capacity in megagrams or tons of the existing storage bin being replaced and

(ii) The rated capacity in megagrams or tons of replacement storage bins.

(b)(1) Owners or operators of affected facilities (as defined in §§ 60.670 and 60.671) for which construction, modification, or reconstruction commenced on or after April 22, 2008, must record each periodic inspection required under § 60.674(b) or (c), including dates and any corrective actions taken, in a logbook (in written or electronic format). The owner or operator must keep the logbook onsite and make hard or electronic copies (whichever is requested) of the logbook available to the Administrator upon request.

(2) For each bag leak detection system installed and operated according to § 60.674(d), the owner or operator must keep the records specified in paragraphs (b)(2)(i) through (iii) of this section.

(i) Records of the bag leak detection system output;

(ii) 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

(iii) The date and time of all bag leak detection system alarms, the time that procedures to determine the cause of the alarm were initiated, the cause of the alarm, an explanation of the actions taken, the date and time the cause of the alarm was

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alleviated, and whether the cause of the alarm was alleviated within 3 hours of the alarm.

(3) The owner or operator of each affected facility demonstrating compliance according to § 60.674(e) by following the requirements for processed stone handling operations in the Lime Manufacturing NESHAP (40 CFR part 63, subpart AAAAA) must maintain records of visible emissions observations required by § 63.7132(a)(3) and (b) of 40 CFR part 63, subpart AAAAA.

(c) – (e) [NA – NO WET SCRUBBERS]

(f) The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in § 60.672 of this subpart, including reports of opacity observations made using Method 9 (40 CFR part 60, Appendix A-4) to demonstrate compliance with § 60.672(b), (e) and (f).

(g) The owner or operator of any wet material processing operation that processes saturated and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. At the time of such change, this screening operation, bucket elevator, or belt conveyor becomes subject to the applicable opacity limit in § 60.672(b) and the emission test requirements of § 60.11.

(h) The subpart A requirement under § 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under this subpart.

(i) A notification of the actual date of initial startup of each affected facility shall be submitted to the Administrator.

(1) For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted by the owner or operator to the Administrator. The notification shall be postmarked within 15 days after such date and shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available.

(2) For portable aggregate processing plants, the notification of the actual date of initial startup shall include both the home office and the current address or location of the portable plant.

(j) The requirements of this section remain in force until and unless the Agency, 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 States. In that event, affected facilities within the State will be relieved of the obligation to comply with the reporting requirements of this section, provided that they comply with requirements established by the State.

(k) Notifications and reports required under this subpart and under subpart A of this part to demonstrate compliance with this subpart need only to be sent to the EPA Region or the State which has been delegated authority according to § 60.4(b).

Regulatory Changes

Individual sources within this source group that are subject to 40 CFR Part 60 Subpart OOO shall comply with all applicable requirements of the Subpart. 40 CFR 60.4 requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

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

The Department copies shall be forwarded to:

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

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

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

SECTION E. Source Group Restrictions.

Group Name: 015

Group Description: Wet Suppression Group

Sources included in this group

ID	Name
1015A	GRIZZLY FEEDER
1017A	JAW CRUSHER
1018	PRIMARY CRUSHER CONVEYOR
1029A	SINGLE PRIMARY SCREENER
1030	MMD CRUSHER (SECONDARY CRUSHER)
1031	SECONDARY CRUSHER CONVEYOR

I. RESTRICTIONS.

Emission Restriction(s).

[25 Pa. Code §127.441]

Operating permit terms and conditions.

The Department may require additional water sprays be installed on a system should inadequate water pressure or flow result in fugitive dust emissions.

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.

[25 Pa. Code §127.441]

Operating permit terms and conditions.

Water spray dust suppression systems associated with screening, crushing and belt conveying shall be operated on any and all occasions that the respective sources are operated, except in those unusual instances where conditions are such that operation of the source(s) without the simultaneous operation of the water spray dust suppression system can take place without creating air contaminant emissions in excess of the limitations specified in any applicable Department Rule or Regulation. If the water spray dust suppression system associated with the source(s) is incapable of operation due to weather conditions or any other reason, the source(s) may continue to be operated so long as the material being processed is sufficiently wetted to reduce fugitive emissions to meet the applicable requirements of any applicable Department Rule or Regulation, specifically 25 Pa Code §123 and 40 CFR 60, Subpart OOO.

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: 016

Group Description: Baghouse Group

Sources included in this group

ID	Name
1130	BINS 35 A & B
1170	MEAL BIN AREA TRIPPER CONVEYOR
1176	OTHER DRYER SYSTEM SCREENERS
1198	BUCKET ELEVATOR NO 8
1275	MIDWESTERN 5-DECK VIBRATORY SCREEN
1288	BIN 36 SYSTEM
1711	DRYER SYSTEM SCREENER
1716	BRADLEY MILL
1724	PRODUCT BIN
1751	PA CRUSHER
1756	DRYER SYSTEM SCREENER
7710	PELLET PLANT DRYER
7714	OTHER PELLET SYSTEM SOURCES
8050	DRYER
8057	NO 5 BALL MILL

I. RESTRICTIONS.

Emission Restriction(s).

[25 Pa. Code §123.13]

Processes

No person shall 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, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

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.

[25 Pa. Code §123.13]

Processes

The permittee shall provide and maintain instrumentation to measure and display the pressure differential across each fabric collector. The instrumentation shall be a differential manometer or equivalent, as approved by the Department.

IV. RECORDKEEPING REQUIREMENTS.

[25 Pa. Code §123.13]

Processes

The permittee shall maintain detailed records of all maintenance performed on each fabric collector associated with these sources. The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

[25 Pa. Code §123.13]

Processes

The permittee shall monitor and record the pressure differential across each fabric collector. The pressure differential shall be recorded a minimum of once per week while each source and its respective fabric collector are operating. The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

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.

[25 Pa. Code §123.13]

Processes

The permittee shall operate each fabric collector at all times that its respective source(s) is/are operating.

[25 Pa. Code §123.13]

Processes

The permittee shall operate and maintain each fabric collector associated with these sources in accordance with the manufacturer's specifications.

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: 018

Group Description: RACT 3 Presumptive

Sources included in this group

ID	Name
110	EMERGENCY GENERATORS
610	EC BICKLEY PERIODIC KILN
640	EC YORKAIRE OVEN
7710	PELLET PLANT DRYER
801	CURING OVEN
8050	DRYER

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §129.112]

Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule

Pursuant to § 129.112 and § 129.97, the permittee shall install, maintain and operate the sources in this group in accordance with the manufacturer's specifications and with good operating practices.

110 EMERGENCY GENERATORS: 129.112(c)(6) and 129.97(c)(5)
610 EC BICKLEY PERIODIC KILN: 129.112(c)(1) and 129.97(c)(1)
640 EC YORKAIRE OVEN: 129.112(c)(1) and 129.97(c)(1)
7710 PELLET PLANT DRYER: 129.112(c)(4) and 129.97(c)(3)
801 CURING OVEN: 129.112(c)(4) and 129.97(c)(3) [fuel burning emissions only; process emissions are addressed by Group 019]
8050 DRYER: 129.112(c)(1) and 129.97(c)(1)

In addition to those sources included in this group, the following controls and miscellaneous sources are also subject to the above requirement:
Grieve Oven: 129.112(c)(1) and 129.97(c)(1)

SECTION E. Source Group Restrictions.

M&P Oven: 129.112(c)(1) and 129.97(c)(1)
ID C81 Oven Incinerator: 129.112(c)(8) and 129.97(c)(6)
ID C83 Bickley Incinerator: 129.112(c)(8) and 129.97(c)(6)
ID C87 Catalytic Incinerator: 129.112(c)(8) and 129.97(c)(6)
ID RTO56 Regenerative Thermal Oxidizer: 129.112(c)(8) and 129.97(c)(6)

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

SECTION E. Source Group Restrictions.

Group Name: 019

Group Description: RACT 3 Case By Case

Sources included in this group

ID	Name
405	NUMBER 1 ROTARY KILN (WITH O2)
415	NUMBER 2 ROTARY KILN (WITH O2)
801	CURING OVEN
810	TUNNEL KILN #5
820	TUNNEL KILN #6
830	BICKLEY PERIODIC KILN

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §129.111]

Applicability

This condition constitutes a case-by-case RACT 3 determination for the sources in this group:

A.) The permittee shall retrofit each rotary kiln (Sources 405 and 415) with enhanced air mixing technology for NOx reduction, and shall thereafter operate and maintain the kilns as thus modified.

B.) The sources in this group shall comply with their previously SIP-ed RACT 2 case-by-case requirements, which are as follows:

I. Rotary Kilns (Sources 405 and 415)

a. Emissions from the Rotary Kilns shall not exceed the following:
1. Kiln 1: 34.0 pounds of NOx per ton of product
2. Kiln 2: 38.0 pounds of NOx per ton of product

SECTION E. Source Group Restrictions.

b. The permittee shall do the following O&M activities related to the Rotary Kilns:
1. Oxygen and carbon monoxide analyzers associated with the automated combustion control system on each rotary kiln shall be inspected for proper operation at least weekly, with corrective action taken if problems are noted.
2. Kiln feed controls on each rotary kiln shall be verified for proper calibration at least every six months, with adjustments made as necessary.
3. Fuel feed controls on each kiln shall be verified for proper calibration at least annually, with adjustments made as necessary.
4. Coal mill level controls on each kiln shall be verified for proper calibration at least annually, with adjustments made as necessary.
5. Thermocouples associated with the combustion control system on each rotary kiln shall be inspected and verified for proper calibration at least annually, with adjustments made or corrective actions taken as necessary.
6. The flame pattern on each kiln shall be visually inspected at least each week, with corrective actions taken as necessary.
7. The burner pipe on each kiln shall be inspected at least annually, with corrective actions taken as necessary.

c. The permitted shall keep records of the following for the Rotary Kilns:
1. Weekly oxygen and carbon monoxide analyzer inspections, plus records of any maintenance done in response to problems noted during the inspections
2. 6-month rotary kiln feed control calibration verifications, plus records of any adjustments made as a result of the verifications
3. Annual rotary kiln fuel feed control calibration verifications, plus records of any adjustments made as a result of the verifications
4. Annual rotary kiln coal mill level control calibration verifications, plus records of any adjustments made as a result of the verifications
5. Annual rotary kiln thermocouple inspections and calibration verifications are maintained, plus adjustments or maintenance performed as a result of the inspections or verifications
6. Weekly rotary kiln flame pattern inspections, plus records of any corrective actions taken as a result of each inspection.
7. Annual rotary kiln burner pipe inspections, plus records of any corrective actions taken as a result of each inspection.

d. NOx emissions from each of Sources 405 and 415 shall be verified one time in each 5-year calendar period. This testing shall be conducted in accordance with the provisions of Chapter 139 of the Department's rules and regulations.

II. Tunnel Kilns 5 and 6 (Sources 810 and 820), Kiln 7 (Source 830), Curing Oven (Source 801)

a. The permittee shall do the following O&M activities:
1. Visually inspect each Source 801 burner at least annually.
2. Visually inspect each burner on each kiln (Sources 810 and 820) at least once each week.
3. Physically inspect each burner on each kiln (Sources 810 and 820) at least once each calendar month, and adjust the air to fuel ratio if necessary.
4. Monthly change the filters for the combustion air and diffusion air (secondary air) for Source 830.
5. Physically inspect each burner for Source 830 at least every 500 hours of operation.

b. The permittee shall keep records of the following:
1. Periodic burner inspections for Sources 801, 810, 820 and 830.
2. All inspections, adjustments or maintenance related to burner or kiln operation for Sources 801, 810, 820 and 830.
3. Monthly filter changes for Source 830.

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

SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.

SECTION H. Miscellaneous.

This TVOP includes sources transferred from the Krosaki Magnesita Refractories operating permit No. 67-05134 and from the Magnesita Refractories plan approval No. 67-05120A.

The Source ID 110 emergency generators include the following units:

BP Kiln Unit 2108 - Onan 30, natural gas, <100 HP, installed October 1989

Despatch 9968 - Onan 100, natural gas, <100 HP, installed August 1989

EC Unit 908748 - Onan 60, natural gas, <100 HP, installed September 1997

Rotary Kiln 1427 - Onan 60, natural gas, <50 HP, installed July 1989

YP Office 9065 - Onan 60, natural gas, <100 HP, installed November 2000

RK1 Pony Diesel - Detroit Allison, 150 HP, installed 1978

RK2 Pony Diesel - Detroit Allison, 150 HP, installed 1962

Ford Model #B6PL-6002R Gasoline 75 HP, installed 1958

Ford 1957 Industrial Pump Gasoline 140 HP, installed 1957

The following sources and activities are not subject to any specific work practice standards, testing, monitoring, recordkeeping or reporting requirements:

1. Air conditioning and ventilation systems
2. Office equipment (copiers, printers, FAX, etc.)
3. Janitorial activities
4. Plant maintenance (painting, welding, paving, cleaning, etc.)
5. Mobile sources (trucks, forklifts, snowblowers, etc.)
6. Boiler water treatment
7. Storage tanks: gasoline, diesel, fuel oil, petroleum distillates, binder ingredients, phenolic resin, kerosene, hydraulic and motor oils, fatty acid resin
8. Electrically heated equipment which does not produce air contaminants
9. Cafeteria equipment
10. No. 1 Ball Mill Unicage Dust Collector AN 7083
11. No. 3 Ball Mill Nuisance Dust Collector AN 7833
12. No. 3 Ball Mill Product Dust Collector AN 7836
13. No. 2 Ball Mill Product No. 3 Bin Vent AN 7005
14. No. 2 Ball Mill Product Dust Collector AN 7185
15. HPS Specialties Bin 4, Bin Vent AN 7493
16. HPS Specialties Bin 5, Bin Vent AN 7493
17. HPS Specialties Bin 10, Bin Vent AN 7492
18. HPS Specialties, Small Bin Vents AN 7475(10 units)
19. HPS Specialties Truck Load-Out Dust Collector AN 7576
20. Remote Mixing Facility, MgO Vent Fuller Kenyan Receiver
21. Remote Mixing Facility, Graphite Conveying System Bin Vent
22. Remote Mixing Facility, Additive Handling System
23. Remote Mixing Facility, Resin Handling System
24. Remote Mixing Facility, BG System Receiving Bin Vent
25. Remote Mixing Facility, Metal Handling System
26. Mixer "0" Material Handling Dust Collection System (Vents outside per RFD 1511)
27. Mixer "0" Dust Collector
28. Mixer "1" Dust Collector
29. Mixer "2" Dust Collector
30. Mixer "3" Dust Collector
31. Mixer "4" Dust Collector
32. Powdered Resin Conveying (from No. 1 Warehouse) System Dust Collector (Torit 5)

SECTION H. Miscellaneous.

33. MgO Conveying System (from No. 1 Warehouse Dust Collector) Dust Collector (2) Receivers for Mixers 1 & 2
34. Warehouse No. 1 Additive and Resin Dust Collector (Torit 7) (3)
35. BP Graphite System Dust Collector (Torit 7) (vents outside per RFD 7285)
36. MgO Plant Dust Collector AN 7652, Dust Supersacked
37. Receiver from Metal Mixing facility on Mixing Floor
38. Press "0" Dust Collector (Torit 8)
39. Press "9" Dust Collector (Torit 12)
40. Brick Saw Dust Collector (Torit 11)
41. BP Processing Ink Jet Cleaning Exhaust Cabinet
42. Rotary Kilns Stack Dust Removal
43. Coating Ball Handling and Loading
44. Mag and BOF Loading
45. Coal/Coke Dumping, Stockpiling and Inloading Operation
46. Iron Scale Dumping
47. MgO Stocking, Handling and Inloading
48. Brick Grain Handling
49. Peck Carrier DC AN1353
50. Old Sizing Plant Dust Collector Fines Unloading AN 1470, Supersack
51. Dust Collector Fines Loadout, Supersack, or Product Bin AN 7260 (AN 7200, 7339 - to No. 3 Ball Mill Bin)
52. High Vac Systems
53. No. 5 Kiln Cooler Section Exhaust
54. No. 6 Kiln Cooler Exhaust
55. No. 7 Kiln Cooler Exhaust
56. Cooling Tunnels for Kilns Nos. 5, 6 and 7
57. Brick Dipping Exhaust (including BP Cascade Exhaust)
58. BP Production Size Check Paint Marking (3)
59. Mg Warehouse
60. Shrink Wrap Units
61. BP Wax melt; Auto Dip, etc.
62. Landfill Activities
63. Curing Oven Hoods, Coolers Entrance and Exit Hoods, and Cooler Exhaust
64. Fuller Kenyan Pneumatic Conveying Systems
65. Curing Oven Condensate Evaporation
66.EC M&P Oven
67. EC Grieve Gas Oven
68. EC Croker Mixer Dust Collector AN 8895
69. Alumina Plant Wet Mixer Dust Collector AN 5724
70. Alumina Plant Mortar Mixer Dust Collector AN 5725
71. Alumina Plant Batching System Dust Collector AN 8953
72. Alumina Plant Batching System Dust Collector AN 420940
73. Alumina Plant Dry Mixing & Bagging Dust Collector AN 5743
74. Units with no outside exhausts:
    a. BP Mason Dust Collector (Torit 6)
    b. EC Kelley Mixer Dust Collectors (2)
    c. EC Ladle Bottom Kelley Mixer Dust Collector
    d. EC Batching System Dust Collectors (2)
    e. EC Portable Dust Collector
75. Bulk Material Handling-BP Mixer Batch System Reject System
76. Miscellaneous Sources:
    a. Parts cleaning stations (5)
    b. BP steam cleaner
    c. Gasoline storage tanks
    d. No. 7 Kiln emergency exhaust
    e. YP portable air compressor
    f. YP Steam Cleaner
    g. BP Dessicant Dryers
77. Vac-U-Max air/material separator (RFD 1322)
78. Laboratory Equipment:
    a. LAB Bickley 5500 kiln

SECTION H. Miscellaneous.

b. LAB Bickley 3000 kilns (2)
c. LAB Two Load Test
d. LAB Hi Temp
e. LAB Grieve Furnaces
f. LAB Hones Gas Furnace
g. LAB Hot Plate
h. LAB Rotary Kiln
i. Lab Harrop
j. Lab L&L Coking Ovens (2)
k. Lab Pereny Furnace
l. Lab Quality Control ovens
m. Lab Chemistry Ovens
n. Lab Sample and Prep Dust Collector (AN 6856)
o. Lab Saw Room Dust Collector
p. Lab PLC Furnace (AN 6177)
q. Lab Hevi Duty Furnace (AN 6025)
r. Lab Mor Furnace (AN 6827)
s. Lab Blue M Furnace (AN 6114)
t. Lab Tube Preheater (AN 6093)
u. Lab QC Saw Dust Collector (Torit 11)

79. Space Heaters 40,000 to 500,000 Btu/hr in size, natural gas and propane fired with 9.25 million Btu/hr total capacity for 61 space heaters.
80. Employee Center Boiler (0.75 mmBtu/hr natural gas)
81. Lab Building Boiler (0.67 mmBtu/hr Natural gas)

The following miscellaneous sources are transferred from Krosaki Magnesita Refractories State Only permit No. 67-05134:
77. Gruenberg Oven
78. BEC Yorkaire Canning Furnace
79. Zyklos Mixers (2)
80. Manual Clipper Saw
81. Portable Air Filtration Unit
82. Slurry Tank and Filter Press Unit
83. Sta-Warm Wax Dip Tank
84. Hand Mixer for Mortar Mixing
85. Two Process Welding Stations

86. Portable, self powered 40 tph REBEL Crusher/Screener per RFD 9791 approved 6/16/22.

NOTE: The relevant provisions of 25 Pa Code, §129.63 for cold cleaning units covered under Parts Cleaning, Source ID 001 of permit 67-05134 are incorporated into this Title V permit under Cold Cleaning Stations (Degreasers), Source ID 006.

NOTE: The capacities listed in Section A, pages 4 and 5, are for informational use only and should not be used as enforceable limitations.

NOTE: Source IDs 407 and 417, coolers, are primarily exhausted through stacks 1367 and 1352A & 1352B respectively. Some emissions of 407 and 417 are passively pulled through rotary kilns 405 and 415 are controlled by rotary kiln controls and vented out of the rotary kiln stacks. Emissions of 407 and 417 vented through the rotary kilns are treated as emissions of the rotary kilns.

****** End of Report ******