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

# TITLE V/STATE OPERATING PERMIT

| | | | |
|---|---|---|---|
| Issue Date: | January 20, 2022 | Effective Date: | November 4, 2026 |
| Revision Date: | November 4, 2026 | Expiration Date: | December 31, 2026 |
| Revision Type: | Amendment | | |

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: 24-00083**

Federal Tax Id - Plant Code: 38-1970599-5

## Owner Information

Name: MERSEN USA GS CORP - ST MARYS
Mailing Address: 215 STACKPOLE ST
SAINT MARYS, PA 15857-1401

## Plant Information

Plant: MERSEN USA/ST MARYS
Location: 24 Elk County 24814 Saint Marys City
SIC Code: 3624 Manufacturing - Carbon And Graphite Products

## Responsible Official

Name: JOHN ECKERT
Title: EHS MGR
Phone: (814) 781 - 1234 Email: john.eckert@i.mersen.com

## Permit Contact Person

Name: JAMIE M SCHAUT
Title: QUALITY ASSURANCE MANAGER
Phone: (814) 781 - 8419 Email: jamie.schaut@i.mersen.com

[Signature] _____
*LORI L. MCNABB, NORTHWEST REGION AIR PROGRAM MANAGER*

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## SECTION A. Site Inventory List

| Source ID | Source Name | Capacity/Throughput | | Fuel/Material |
|---|---|---|---|---|
| 100 | BILLET UNLOADING STATION | | N/A | BAKED CARBON |
| 1000 | PULVERIZER #4 | 3,300.000 | Lbs/HR | CARBON |
| 1001 | CARBON BAKING KILN #35 | | N/A | Natural Gas |
| | | | N/A | CARBON |
| 1002 | ROLLER MILLS # 7 & # 8 | 2,000.000 | Lbs/HR | CARBON |
| 1003 | CARBON BAKING KILN # 36 | | N/A | Natural Gas |
| | | | N/A | CARBON |
| 1004 | CARBON BAKING KILN # 37 | | N/A | Natural Gas |
| | | | N/A | CARBON |
| 100A | SCREENING EQUIPMENT | | N/A | |
| 101A | GRAPHITE CRUSHER (FEEDER BREAKER) | 5.000 | Tons/HR | GRAPHITE |
| 102 | CRUSHERS - BLDG 157, DEPT 23, WEIGH STATION (16) | | N/A | CARBON SCRAP |
| 109 | COKE MILLS - BLDG 157, DEPT 23 | | N/A | COKE |
| 110 | AIR CLASSIFIER MILL | 1,100.000 | Lbs/HR | GRAPHITE |
| 1100 | ELECTRIC FURNACE #1 | | N/A | CARBON |
| 1100A | ELECTRIC FURNACE | 260.000 | Lbs/HR | |
| 115 | COKE/GRAPHITE MILL #3 | | N/A | COKE/GRAPHITE |
| 115A | COKE/GRAPHITE MILL #4 | | N/A | COKE/GRAPHITE |
| 115B | COKE/GRAPHITE MILL # 5 | | N/A | COKE/GRAPHITE |
| 116 | PULVERIZERS #1 & #2 (2) | | N/A | CARBON |
| 123 | GRAPHITE PLATE SIZING 1 | | N/A | CARBON & GRAPHI |
| 124 | GRAPHITE PLATE SIZING 2 | | N/A | CARBON & GRAPH. |
| 129 | LANLY OVEN & CARBON MIXERS | | N/A | Natural Gas |
| | | | N/A | CARBON |
| 134 | CBH KILN #34 | | N/A | CARBON |
| | | | N/A | Natural Gas |
| 137 | CURING OVENS (4) | | N/A | GRAPHITE |
| | | | N/A | CARBON |
| 139 | CURING OVENS (5) | | N/A | GRAPHITE |
| | | | N/A | Natural Gas |
| 144 | CBH KILN #27 | | N/A | CARBON |
| | | | N/A | Natural Gas |
| 145 | CBH KILN #29 | | N/A | CARBON |
| | | | N/A | CARBON |
| 146 | CBH KILN #30 | | N/A | CARBON |
| | | | N/A | CARBON |
| 147 | CBH KILN #31 | | N/A | CARBON |
| | | | N/A | CARBON |
| 148 | CBH KILN #32 | | N/A | CARBON |
| | | | N/A | CARBON |
| 149 | CBH KILN #33 | | N/A | CARBON |

## SECTION A. Site Inventory List

| Source ID | Source Name | Capacity/Throughput | | Fuel/Material |
|---|---|---|---|---|
| | | N/A | | Natural Gas |
| 401 | BATCH GRAPHITIZERS (5) | N/A | | BAKED CARBON |
| 402 | CARBOTTOM KILN #1 | N/A | | Natural Gas |
| | | N/A | | CARBON |
| 403 | CARBOTTOM KILN #2 | N/A | | Natural Gas |
| | | N/A | | CARBON |
| 403A | CARBOTTOM KILN #3 | N/A | | CARBON |
| | | N/A | | Natural Gas |
| 403B | CARBOTTOM KILN #4 | N/A | | CARBON |
| | | N/A | | Natural Gas |
| 405A | GRAPHITIZED MATERIALS BAKING OVEN | N/A | | GRAPHITIZED MATERIAL |
| | | N/A | | Natural Gas |
| 406 | EXCESS AIR OVENS #1 AND #2 | N/A | | CARBON |
| | | N/A | | Natural Gas |
| 406A | EXCESS AIR OVENS 3 & 4 | N/A | | |
| | | N/A | | Natural Gas |
| 406B | EXCESS AIR OVENS 5 & 6 | N/A | | |
| | | N/A | | Natural Gas |
| 408 | DRYER 13 | N/A | | CARBON |
| 409 | DRYER 14 | N/A | | Natural Gas |
| 411 | JET MILL #1 | N/A | | PITCH/COKE |
| 411A | JET MILL | 975.000 | Lbs/HR | PITCH/COKE |
| 414 | GRAPHITE MACHINING 1 (LATHE) | N/A | | GRAPHITE |
| 415 | GRAPHITE MACHINING 2 (LATHE) | N/A | | GRAPHITE |
| 416 | GRAPHITE MACHINING 3 (LATHE) | N/A | | GRAPHITE |
| 417 | GRAPHITE MACHINING 4 (LATHE) | N/A | | GRAPHITE |
| 419 | GRAPHITE MACHINING 6 (SRD GRINDER) | N/A | | GRAPHITE |
| 420 | GRAPHITE MACHINING 7 (SAWS & GRINDER) | N/A | | GRAPHITE |
| 421 | GRAPHITE MACHINING 8 (GRINDERS-6) | N/A | | GRAPHITE |
| 424 | SCREENERS #9, #10 | N/A | | |
| 425 | ROLLER MILL #6 | N/A | | |
| 426 | COKE SCREENER - BUILDING 102 | N/A | | COKE |
| 428 | PITCH COKE,CRUSHER,BLENDER,10 VACUUM HOSES & 1 WEIGH STATION | N/A | | |
| 429 | SCREENS, #1 TO #8 (8) | N/A | | |
| 430 | 86" PRESS JOLTERS | N/A | | |
| 431 | ROLLER MILL- BLDG 303 | N/A | | |
| 431A | ROLLER MILL #10 (BLDG 305) | 1.000 | Lbs/HR | COKE/GRAPHITE |
| 432 | MISC. SOURCES WITH DUST COLLECTORS | N/A | | |
| 432B | MISC. SOURCES WITH 4,000-CFM TORIT DUST COLLECTOR | N/A | | |
| 432C | MISC. SOURCES WITH 4,000-CFM ULTRA DUST COLLECTOR | 1.000 | Tons/HR | |

## SECTION A. Site Inventory List

| Source ID | Source Name | Capacity/Throughput | | Fuel/Material |
|---|---|---|---|---|
| 433 | TWO PARTS CLEANERS | | N/A | |
| 440 | BATCH GRAPHITIZING FURNACE LWG #16 | | N/A | GRAPHITE |
| | | | N/A | Natural Gas |
| 450 | RAYMOND PULVERIZER (42 TPD) | | N/A | |
| 701 | EMERGENCY GENERATOR B101 (10-KW) | 0.161 | MCF/HR | Natural Gas |
| 702 | EMERGENCY GENERATOR D131 (35-KW) | 0.480 | MCF/HR | Natural Gas |
| 703 | EMERGENCY GENERATOR D30 (40-KW) | 0.543 | MCF/HR | Natural Gas |
| 704 | EMERGENCY GENERATOR B304 (9-KW) | 0.156 | MCF/HR | Natural Gas |
| 705 | EMERGENCY GENERATOR B94 (36-KW) | 0.503 | MCF/HR | Natural Gas |
| C100 | DUSTY DUSTLESS JAC126 | | | |
| C1000 | PULVERIZER DUST COLLECTOR | | | |
| C1001 | KILN #35 THERMAL OXIDIZER | | | |
| C1002 | ROLLER MILLS DUST COLLECTORS (2) | | | |
| C1003A | KILN #36 THERMAL OXIDIZER | | | |
| C1004A | KILN #37 THERMAL OXIDIZER | | | |
| C100A | FILTER BAG | | | |
| C101A | GRAPHITE CRUSHER BAGHOUSE | | | |
| C102 | DRACO MKII-NA | | | |
| C102A | DUST COLLECTOR FOR CRUSHERS | | | |
| C109 | DRACO MB-100 | | | |
| C110 | AIR CLASSIFIER MILL BAGHOUSE | | | |
| C1100 | ELECTRIC FURNACE #1 THERMAL OXIDIZER | | | |
| C1100A | ELECTRIC FURNACE THERMAL OXIDIZER | | | |
| C1101A | RTO | | | |
| C1101B | SCRUBBER D | | | |
| C1101C | THERMAL OXIDIZER | | | |
| C115 | DRACCO MB-20 | | | |
| C115A | DUST COLLECTOR | | | |
| C115B | DUST COLLECTOR | | | |
| C116AA | TORIT OVAL DUST COLLECTOR | | | |
| C116B | TORIT 4000 CFM DUST COLLECTOR | | | |
| C117 | DRACCO MB-20 | | | |
| C123 | GRIFFIN ENVIRO INC JA280 | | | |
| C124 | TORIT/DONALDSON IG-039190 | | | |
| C134 | THERMAL OXIDIZER | | | |
| C137 | THERMAL OXIDIZER (DEPT 126) | | | |
| C139 | THERMAL OXIDIZER (DEPT 126) | | | |
| C144 | KILN #27 THERMAL OXIDIZER | | | |
| C145 | THERMAL OXIDIZER | | | |
| C146 | THERMAL OXIDIZER | | | |

## SECTION A. Site Inventory List

| Source ID | Source Name | Capacity/Throughput | Fuel/Material |
|---|---|---|---|
| C147 | THERMAL OXIDIZER | | |
| C148 | THERMAL OXIDIZER | | |
| C149 | THERMAL OXIDIZER | | |
| C402 | CARBOTTOM KILN #1 THERMAL OXIDIZER | | |
| C403 | CARBOTTOM KILN #2 THERMAL OXIDIZER | | |
| C403A | CARBOTTOM KILN #3 THERMAL OXIDIZER | | |
| C403B | CARBOTTOM KILN #4 THERMAL OXIDIZER | | |
| C406 | THERMAL OXIDIZER | | |
| C406A | THERMAL OXIDIZER | | |
| C406B | THERMAL OXIDIZER | | |
| C406C | SO2 SCRUBBER | | |
| C411 | BAGHOUSE | | |
| C411A | JET MILL BAGHOUSE | | |
| C412 | BAGHOUSE | | |
| C414 | BAGHOUSE | | |
| C415 | BAGHOUSE | | |
| C416 | BAGHOUSE | | |
| C417 | BAGHOUSE | | |
| C419 | BAGHOUSE | | |
| C420 | BAGHOUSE | | |
| C421 | BAGHOUSE | | |
| C424 | DUST COLLECTOR FOR SCREENERS (2) | | |
| C425 | CYCLONE FOR ROLLER MILL | | |
| C425A | BAGHOUSE FOR ROLLER MILL | | |
| C426 | COKE SCREENER BAGHOUSE | | |
| C428 | COKE BLENDER/CRUSHER BAGHOUSE | | |
| C429 | SCREENERS #1,#2,#3,#4,#5,#6,#7,#8 | | |
| C430 | DUST COLLECTOR | | |
| C431 | DUST COLLECTOR | | |
| C431A | 2,000-CFM DUST COLLECTOR | | |
| C432A | MISC. DUST COLLECTORS | | |
| C432B | 4,000-CFM TORIT DUST COLLECTOR | | |
| C432C | 4,000-CFM ULTRA DUST COLLECTOR | | |
| C450 | TORIT COLLECTOR (2,000 SCFM) | | |
| C501A | NEW SCRUBBER A | | |
| C600A | SCRUBBER B2 | | |
| S100 | BILLET UNLOADING | | |
| S1000 | PULVERIZER DUST COLLECTOR STACK | | |
| S1002 | ROLLER MILLS DUST COLLECTORS STACKS | | |
| S100A | SCREENING EQUIPMENT | | |

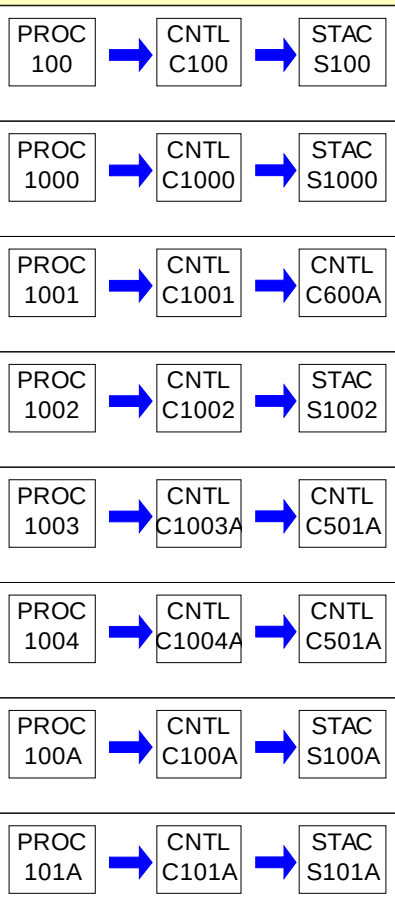
## SECTION A. Site Inventory List

| Source ID | Source Name | Capacity/Throughput | Fuel/Material |
|---|---|---|---|
| S101A | GRAPHITE CRUSHER BAGHOUSE STACK | | |
| S102 | DEPT 23 CRUSHERS | | |
| S102A | STACK FROM DUST COECTOR CRISHERS | | |
| S109 | DEPT 23 COKE MILLS | | |
| S110 | AIR CLASSIFIER MILL BAGHOUSE STACK | | |
| S1100 | ELECTRIC FURNACE #1 THERMAL OXIDIZER STACK | | |
| S1100A | ELECTRIC FURNACE STACK | | |
| S1101 | SCRUBBER D STACK | | |
| S115 | COKE MILL #3 | | |
| S115A | COKE/GRAPHITE MILL #4 | | |
| S115B | COKE/GRAPH MILL #5 | | |
| S116 | PULVERIZER STACK | | |
| S116A | PULVERIZER STACK | | |
| S123 | PLATE CUTTING | | |
| S124 | PLATE CUTTING | | |
| S137 | CURING OVENS STACK | | |
| S139 | CURING OVENS STACK | | |
| S405A | STACK FROM GRAPHITIZED MATERIALS BAKING OVEN | | |
| S406 | EXCESS AIR OVENS BYPASS STACK | | |
| S406A | EXCESS AIR OVEN BYPASS STACK | | |
| S406B | EXCESS AIR OVEN STACK | | |
| S406C | SO2 SCRUBBER STACK | | |
| S408 | DRYER 13 | | |
| S409 | DRYER 14 | | |
| S411 | JET MILL STACK | | |
| S411A | JET MILL STACK | | |
| S414 | GRAPHITE MACH 1 STACK | | |
| S415 | GRAPHITE MACH 2 STACK | | |
| S416 | GRAPHITE MACH 3 STACK | | |
| S417 | GRAPHITE MACH 4 STACK | | |
| S419 | GRAPHITE MACH 6 STACK | | |
| S420 | GRAPHITE MACH 7 STACK | | |
| S421 | GRAPHITE MACH 8 STACK | | |
| S424 | STACK FOR SCREENER BAGHOUSE | | |
| S425 | STACK FOR SCREENER BAGHOUSE | | |
| S426 | COKE SCREENER STACK | | |
| S428 | PITCH COKE BLENDER | | |
| S429 | PITCH COKE SCREENERS (8) STACKS (8) | | |
| S430 | STACK FROM ISOSTATIC PRESS DUST COLLECTOR | | |

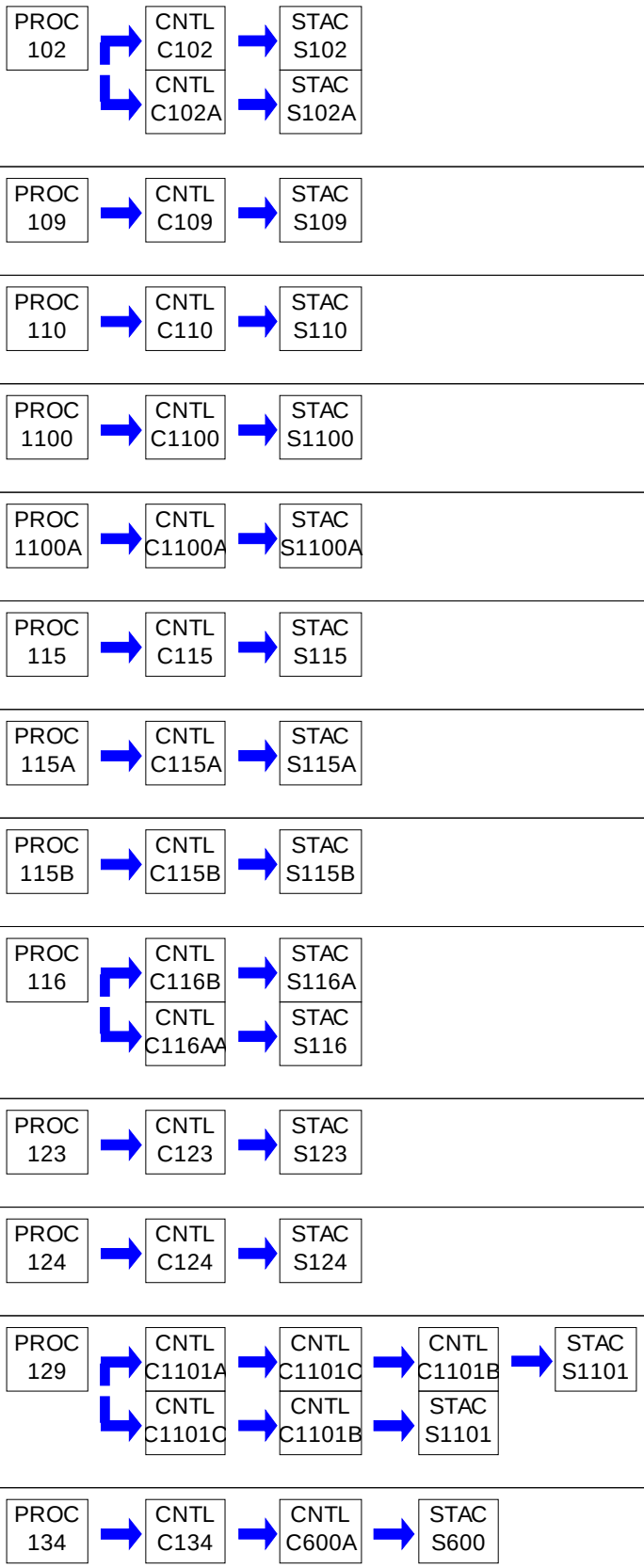
## SECTION A. Site Inventory List

| Source ID | Source Name | Capacity/Throughput | Fuel/Material |
|---|---|---|---|
| S431 | STACK FROM RAYMOND MILL DUST COLLECTOR | | |
| S431A | STACK FROM ROLLER MILL #10 | | |
| S432 | STACKS FROM MISC. DUST COLLECTORS | | |
| S432B | STACK FROM 4,000-CFM TORIT DUST COLLECTOR | | |
| S432C | STACK FROM 4,000-CFM ULTRA DUST COLLECTOR | | |
| S450 | TORIT COLLECTOR STACK | | |
| S501 | STACK FROM NEW SCRUBBER A | | |
| S600 | SCRUBBER B (CBH KILN #27, #33, #34 & #35) STACK | | |
| S701 | STACK - SOURCE 701 | | |
| S702 | STACK - SOURCE 702 | | |
| S703 | STACK - SOURCE 703 | | |
| S704 | STACK - SOURCE 704 | | |
| S705 | STACK - SOURCE 705 | | |
| Z401 | BATCH GRAPHITIZERS | | |
| Z433 | FUGITIVES FROM PARTS CLEANERS | | |

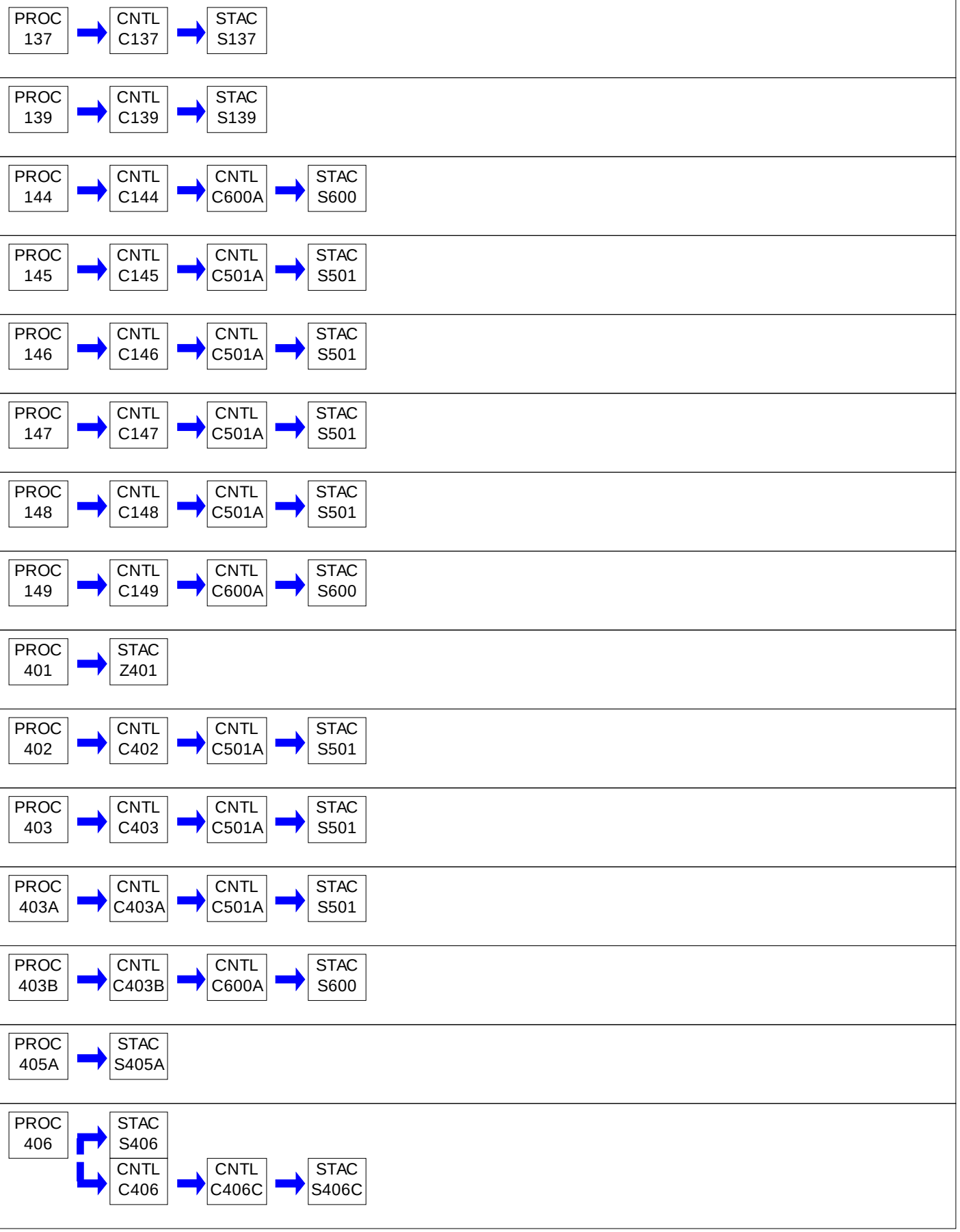
## PERMIT MAPS



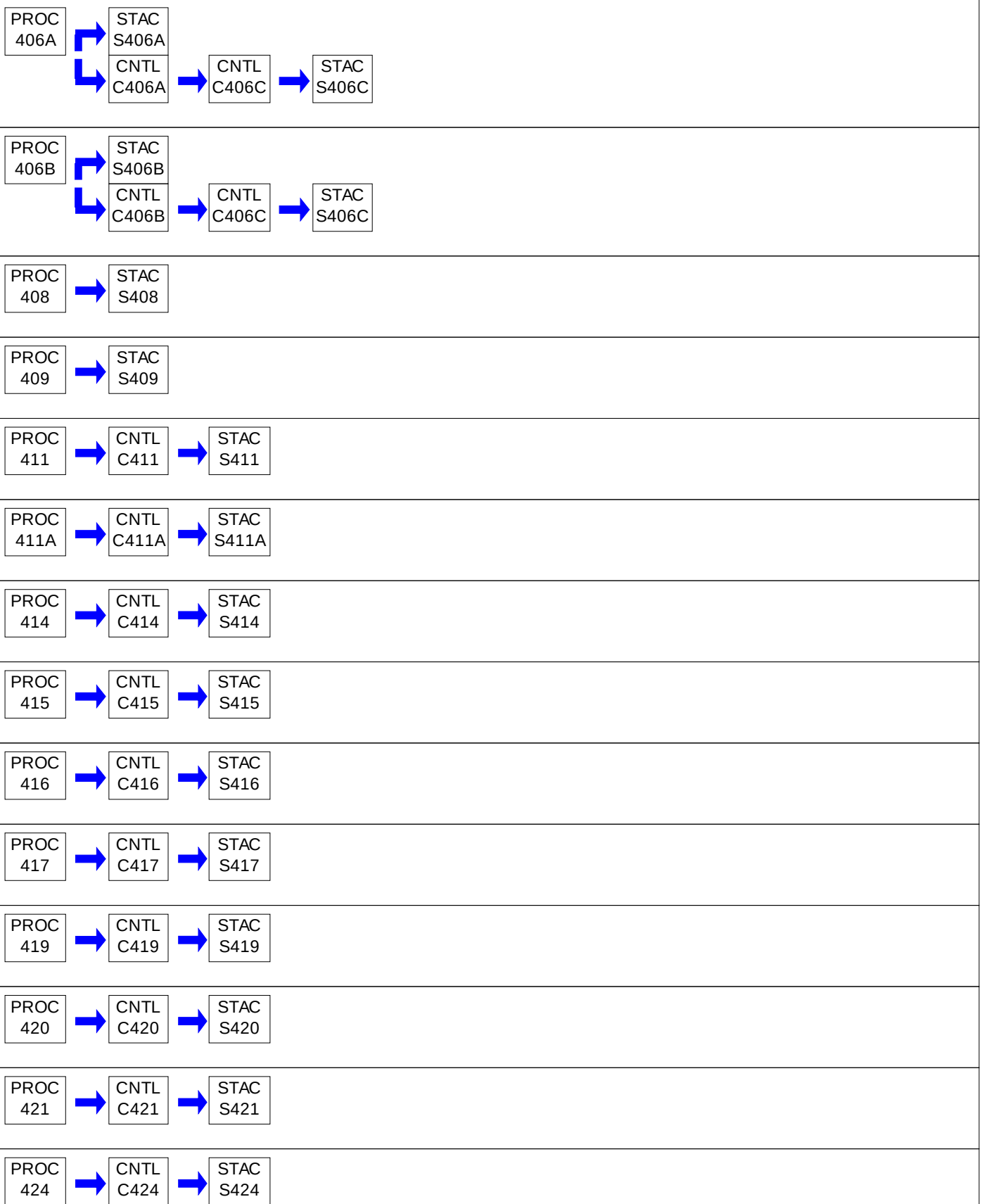
## PERMIT MAPS


PROC 102
CNTL C102
STAC S102
CNTL C102A
STAC S102A
PROC 109
CNTL C109
STAC S109
PROC 110
CNTL C110
STAC S110
PROC 1100
CNTL C1100
STAC S1100
PROC 1100A
CNTL C1100A
STAC S1100A
PROC 115
CNTL C115
STAC S115
PROC 115A
CNTL C115A
STAC S115A
PROC 115B
CNTL C115B
STAC S115B
PROC 116
CNTL C116B
STAC S116A
CNTL C116AA
STAC S116
PROC 123
CNTL C123
STAC S123
PROC 124
CNTL C124
STAC S124
PROC 129
CNTL C1101A
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PROC 134
CNTL C134
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STAC S600

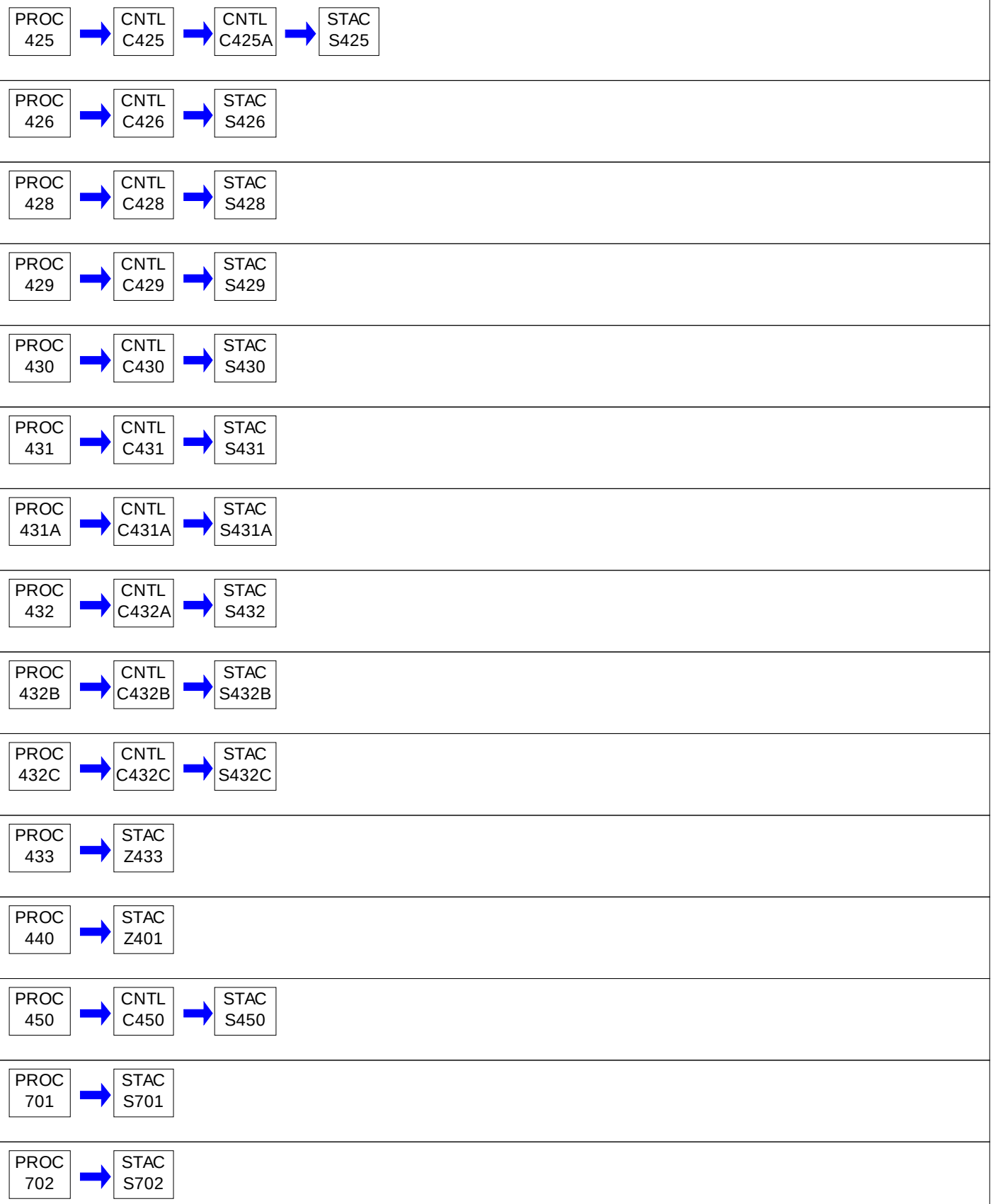
## PERMIT MAPS


PROC 137
CNTL C137
STAC S137
PROC 139
CNTL C139
STAC S139
PROC 144
CNTL C144
CNTL C600A
STAC S600
PROC 145
CNTL C145
CNTL C501A
STAC S501
PROC 146
CNTL C146
CNTL C501A
STAC S501
PROC 147
CNTL C147
CNTL C501A
STAC S501
PROC 148
CNTL C148
CNTL C501A
STAC S501
PROC 149
CNTL C149
CNTL C600A
STAC S600
PROC 401
STAC Z401
PROC 402
CNTL C402
CNTL C501A
STAC S501
PROC 403
CNTL C403
CNTL C501A
STAC S501
PROC 403A
CNTL C403A
CNTL C501A
STAC S501
PROC 403B
CNTL C403B
CNTL C600A
STAC S600
PROC 405A
STAC S405A
PROC 406
STAC S406
CNTL C406
CNTL C406C
STAC S406C

## PERMIT MAPS


PROC 406A
STAC S406A
CNTL C406A
CNTL C406C
STAC S406C
PROC 406B
STAC S406B
CNTL C406B
CNTL C406C
STAC S406C
PROC 408
STAC S408
PROC 409
STAC S409
PROC 411
CNTL C411
STAC S411
PROC 411A
CNTL C411A
STAC S411A
PROC 414
CNTL C414
STAC S414
PROC 415
CNTL C415
STAC S415
PROC 416
CNTL C416
STAC S416
PROC 417
CNTL C417
STAC S417
PROC 419
CNTL C419
STAC S419
PROC 420
CNTL C420
STAC S420
PROC 421
CNTL C421
STAC S421
PROC 424
CNTL C424
STAC S424

## PERMIT MAPS


PROC 425
CNTL C425
CNTL C425A
STAC S425
PROC 426
CNTL C426
STAC S426
PROC 428
CNTL C428
STAC S428
PROC 429
CNTL C429
STAC S429
PROC 430
CNTL C430
STAC S430
PROC 431
CNTL C431
STAC S431
PROC 431A
CNTL C431A
STAC S431A
PROC 432
CNTL C432A
STAC S432
PROC 432B
CNTL C432B
STAC S432B
PROC 432C
CNTL C432C
STAC S432C
PROC 433
STAC Z433
PROC 440
STAC Z401
PROC 450
CNTL C450
STAC S450
PROC 701
STAC S701
PROC 702
STAC S702

## PERMIT MAPS

| | |
|---|---|
| PROC 703 → | STAC S703 |
| PROC 704 → | STAC S704 |
| PROC 705 → | STAC S705 |

## 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 Air Pollution Control Act (35 P.S. §§ 4001-4015).

**#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

## SECTION B. General Title V Requirements

responsibility, coverage and liability between the current and the new permittee; and,

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

(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.

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**#009 [25 Pa. Code § 127.512(c)(2)]**

**Need to Halt or Reduce Activity Not a Defense**

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

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

**Duty to Provide Information**

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

## SECTION B. General Title V Requirements

**#013 [25 Pa. Code § 127.522(a)]**

**Operating Permit Application Review by the EPA**

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

R3_Air_Apps_and_Notices@epa.gov

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

**#014 [25 Pa. Code § 127.541]**

**Significant Operating Permit Modifications**

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

## SECTION B. General Title V Requirements

**#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.

(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

## SECTION B. General Title V Requirements

oxides of sulfur at the facility during the term of the permit.

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

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

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

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

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

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

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

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

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

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

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

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

**Reactivation of Sources**

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

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

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

**Circumvention**

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

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

## SECTION B. General Title V Requirements

permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

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

**#024 [25 Pa. Code § 127.513]**

**Compliance Certification**

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

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

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

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

**Recordkeeping Requirements**

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

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

(2) The dates the analyses were performed.

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

(4) The analytical techniques or methods used.

(5) The results of the analyses.

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

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

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

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

**Reporting Requirements**

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

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

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

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

**#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:

## SECTION B. General Title V Requirements

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

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

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

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

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

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

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

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

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

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

(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.

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(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**

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

(1) Construction or demolition of buildings or structures.

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

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

(4) Clearing of land.

(5) Stockpiling of materials.

(6) [For open burning operations, refer to § 129.14]

(7) - (8) [Not Applicable]

(9) Sources and classes of sources other than those identified in paragraphs (1) - (8), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

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

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

**# 002 [25 Pa. Code §123.2]**

**Fugitive particulate matter**

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

**# 003 [25 Pa. Code §123.31]**

**Limitations**

(a) Limitations are as follows:

(1) If control of malodorous air contaminants is required under subsection (b), emissions shall be incinerated at a minimum of 1,200°F for at least 0.3 seconds prior to their emission into the outdoor atmosphere.

(2) Techniques other than incineration may be used to control malodorous air contaminants if such techniques are equivalent to or better than the required incineration in terms of control of the odor emissions and are approved in writing by the Department.

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

(c) [Not Applicable]

**# 004 [25 Pa. Code §123.41]**

**Limitations**

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

## SECTION C. Site Level Requirements

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

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

**# 005 [25 Pa. Code §123.42]**

**Exceptions**

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

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

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

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

(4) [Not Applicable]

**# 006 [25 Pa. Code §129.14]**

**Open burning operations**

(a) AIR BASINS. [Not Applicable]

(b) OUTSIDE OF AIR BASINS. No person may permit the open burning of material in an area outside of air basins in a manner that:

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

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

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

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

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

(c) EXCEPTIONS. The requirements of subsections (a) and (b) do not apply where the open burning operations result from:

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

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

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

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

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

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

## SECTION C. Site Level Requirements

(7) A fire set solely for cooking food.

(d) CLEARING AND GRUBBING WASTES. The following is applicable to clearing and grubbing wastes:

(1) As used in this subsection the following terms shall have the following meanings:

AIR CURTAIN DESTRUCTOR -- A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

CLEARING AND GRUBBING WASTES -- Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

(2) [Not Applicable]

(3) Subsection (b) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:

(i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (b) of this section.

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.

(4) During an air pollution episode, open burning is limited by Chapter 137 (relating to air pollution episodes) and shall cease as specified in such chapter.

[This permit does not constitute authorization to burn solid waste pursuant to Section610(3) of the Solid Waste Management Act, 35 P.S. Section 6018.610(3), or any other provisions of the Solid Waste Management Act.]

### II. TESTING REQUIREMENTS.

**# 007 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083Y]

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

### III. MONITORING REQUIREMENTS.

**# 008 [25 Pa. Code §123.43]**

**Measuring techniques**

Visible emissions may be measured using either of the following:

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

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

**# 009 [25 Pa. Code §127.511]**

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

(a) The permittee shall conduct weekly monitoring of the facility property, while the plant is in operation, to observe for the presence of fugitive emissions and visible emissions being emitted into the outdoor atmosphere.

## SECTION C. Site Level Requirements

(b) All detected fugitive and visible emissions shall be reported to the shift supervisor.

### IV. RECORDKEEPING REQUIREMENTS.

**# 010 [25 Pa. Code §127.511]**

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

(a) The permittee shall maintain a record of the monitoring conducted to determine the presence of fugitive and visible emissions.

(b) This recordkeeping shall contain a listing or notation of any and all sources of fugitive and visible emissions; the cause of the fugitive or visible emissions; duration of the emission; and the corrective action taken to abate the deviation and prevent future occurrences.

**# 011 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee can modify the mixture of pollutants regulated under Section 112 of the Clean Air Act (42 U.S.C.A. section 7412) which are VOC or PM10 so long as the emission limitations of this permit are not violated. The permittee shall keep a log which identifies the mixture of pollutants regulated under Section 112 and report the changes in mixture of pollutants regulated under Section 112 with the next report required to be provided to the Department.

### V. REPORTING REQUIREMENTS.

**# 012 [25 Pa. Code §135.21]**

**Emission statements**

(a) Except as provided in subsection (d), this section applies to stationary sources or facilities:

(1) Located in an area designated by the Clean Air Act as a marginal, moderate, serious, severe or extreme ozone nonattainment area and which emit oxides of nitrogen or VOC.

(2) Not located in an area described in subparagraph (1) and included in the Northeast Ozone Transport Region which emit or have the potential to emit 100 tons or more oxides of nitrogen or 50 tons or more of VOC per year.

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

(c) Annual emission statements are due by March 1 for the preceding calendar year beginning with March 1, 1993, for calendar year 1992 and shall provide data consistent with requirements and guidance developed by the EPA. The guidance document is available from: United States Environmental Protection Agency, 401 M. Street, S.W., Washington, D.C. 20460. The Department may require more frequent submittals if the Department determines that one or more of the following applies:

(1) A more frequent submission is required by the EPA.

(2) Analysis of the data on a more frequent basis is necessary to implement the requirements of the act.

(d) Subsection (a) does not apply to a class or category of stationary sources which emits less than 25 tons per year of VOC's or oxides of nitrogen, if the Department in its submissions to the Administrator of the EPA under section 182(a)(1) or (3)(B)(ii) of the Clean Air Act (42 U.S.C.A. 7511a(a)(1) or (3)(B)(ii)) provides an inventory of emissions from the class or category of sources based on the use of the emission factors established by the Administrator or other methods acceptable to the Administrator. The Department will publish in the Pennsylvania Bulletin a notice of the lists of classes or categories of sources which are exempt from the emission statement requirement under this subsection.

## SECTION C. Site Level Requirements

### VI. WORK PRACTICE REQUIREMENTS.

**# 013 [25 Pa. Code §123.1]**

**Prohibition of certain fugitive emissions**

(c) A person responsible for any source specified 25 Pa. Code 123.1(a)(1) - (7) or (9) shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

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

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

(3) Paving and maintenance of roadways.

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

### VII. ADDITIONAL REQUIREMENTS.

**# 014 [25 Pa. Code §127.511]**

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

[The following condition pertains to the SO2 CEMS required for Sources 1001, 1003, 1004, 134, 144, 145, 146, 147, 148, 149, 402, 403, 403A, and 403B]

(a) The permittee shall maintain and operate the certified SO2 CEMS monitors (CEMS 2015, 2016, 2017, and 2018) in accordance with the requirements of 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) , and the "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 8 of the Department's Continuous Source Monitoring Manual (CSMM).

(b) The permittee shall submit quarterly reports of continuous emission monitoring to the Department in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and, the "Record Keeping and Reporting" requirements as established in Revision No. 8 of the Department's CSMM.

(c) The permittee shall report emissions for all periods of unit operation, including startup, shutdown and malfunction.

(d) Quarterly reports shall be submitted to the Department within 30 days after the end of each calendar quarter.

(e) Failure to submit required reports of continuous emission monitoring within the time periods specified in this Condition, shall constitute violations of this Permit, unless approved in advance by the Department in writing.

(f) The permittee shall perform the emissions monitoring analysis procedures or test methods required under an applicable requirement including procedures and methods under Sections 114(a)(3) ( 42 U.S.C.A.§§ 7414 (a)(3)) or 504(b) ( 42 U.S.C.A.§§ 7661c(b)) of the Clean Air Act .

[Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.]

[The four SO2 CEMS are assigned Emission Results IDs 1741 (lb/hr) & 1742 (ppm) for Scrubbers A & C; 3047 (lb/hr) & 3048 (ppm) for Scrubber B.]

### VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 12/31/2021 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.

## SECTION C. Site Level Requirements

No compliance milestones exist.

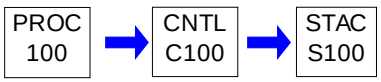
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## SECTION D. Source Level Requirements

Source ID: 100 Source Name: BILLET UNLOADING STATION

Source Capacity/Throughput: N/A BAKED CARBON

Conditions for this source occur in the following groups: SOURCES - ELECT PM, PMI
SOURCES 100 & 100A - CAM REQUIREMENTS




### 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).

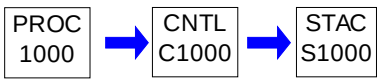
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## SECTION D. Source Level Requirements

Source ID: 1000 Source Name: PULVERIZER #4

Source Capacity/Throughput: 3,300.000 Lbs/HR CARBON

Conditions for this source occur in the following groups: SOURCES - ELECT/PA PM, PMI, PRESS DROP




### 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).

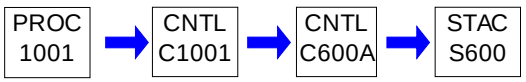
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## SECTION D. Source Level Requirements

Source ID: 1001 Source Name: CARBON BAKING KILN #35

| | | |
|---|---|---|
| Source Capacity/Throughput: | N/A | Natural Gas |
| | N/A | CARBON |

Conditions for this source occur in the following groups: KILNS - PA 24-083O
KILNS - STATE PM, TEMP MONITOR




### 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: 1002 Source Name: ROLLER MILLS # 7 & # 8

Source Capacity/Throughput: 2,000.000 Lbs/HR CARBON

Conditions for this source occur in the following groups: SOURCES - ELECT/PA PM, PMI, PRESS DROP




### 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).

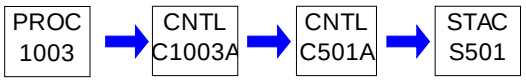
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## SECTION D. Source Level Requirements

Source ID: 1003 Source Name: CARBON BAKING KILN # 36

| | | |
|---|---|---|
| Source Capacity/Throughput: | N/A | Natural Gas |
| | N/A | CARBON |

Conditions for this source occur in the following groups: KILNS - PA 24-083D,E,F,G,I,L
KILNS - PA 24-083L
NEW SCRUBBER A




### 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).

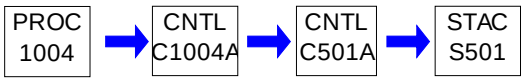
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## SECTION D. Source Level Requirements

Source ID: 1004 Source Name: CARBON BAKING KILN # 37

| | | |
|---|---|---|
| Source Capacity/Throughput: | N/A | Natural Gas |
| | N/A | CARBON |

Conditions for this source occur in the following groups: KILNS - PA 24-083D,E,F,G,I,L
KILNS - PA 24-083L
NEW SCRUBBER A




### 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).

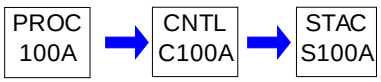
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## SECTION D. Source Level Requirements

Source ID: 100A Source Name: SCREENING EQUIPMENT

Source Capacity/Throughput: N/A

Conditions for this source occur in the following groups: SOURCES - ELECT PM, PMI
SOURCES 100 & 100A - CAM REQUIREMENTS




### 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.

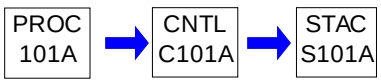
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

## SECTION D. Source Level Requirements

Source ID: 101A Source Name: GRAPHITE CRUSHER (FEEDER BREAKER)

Source Capacity/Throughput: 5.000 Tons/HR GRAPHITE




### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083BB]

No person may permit the emission into the outdoor atmosphere of particulate matter from the baghouse in such a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grains per dry standard cubic feet.

[Compliance with the requirement in this streamlined permit condition assures compliance with the provisions found in 25 Pa. Code § 123.13]

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

**# 002 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083BB]

(a) The permittee shall perform a weekly preventive maintenance inspection of the control device.

(b) The permittee shall monitor the pressure drop across the control device each day that the source is operated. The pressure drop range shall be determined during shakeout of the plan approval and integrated into the operating permit during the amendment to incorporate the plan approval.

(c) The permittee shall utilize the auxiliary alarms, broken bag detectors, and low air header pressure to ensure proper operation of the control device and replace bags as necessary.

### IV. RECORDKEEPING REQUIREMENTS.

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083BB]

(a) The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problems or defects, and any maintenance performed.

(b) The permittee shall record the pressure drop across the control device each day that the source is operated.

## SECTION D. Source Level Requirements

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083BB]

(a) The owner or operator shall keep sufficient quantity of spare baghouse bags, at a minimum of 10% of the total number of bags (33), on hand for immediate replacement.

(b) No fugitive air contaminant emissions shall be generated as a result of removing collected dust from the baghouse or as a result of subsequently handling the collected dust on-site following its removal from the collector.

(c) The permittee shall install and maintain a baghouse pressure drop gauge to measure pressure drop across the baghouse. The gauge shall be maintained in good working order at all times. [The pressure drop range shall be 0.5 inches to 6.0 inches of water column.]

(d) The control device shall be in operation at all times the source is in operation.

(e) The source and associated control device shall be operated in accordance with manufacturers' specifications and good air pollution control practices.

**# 005 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

Any powered exhaust vents located within the room which houses Source 101A shall have intakes equipped with media filters to prevent fugitive dust emissions from being ducted outside. The filters shall have a MERV 8 rating at a minimum.

### VII. ADDITIONAL REQUIREMENTS.

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

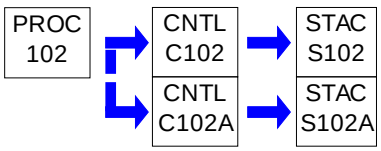
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 102 Source Name: CRUSHERS - BLDG 157, DEPT 23, WEIGH STATION (16)

Source Capacity/Throughput: N/A CARBON SCRAP

Conditions for this source occur in the following groups: CRUSHERS




### 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).

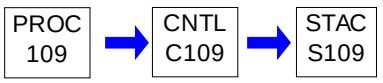
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 109 Source Name: COKE MILLS - BLDG 157, DEPT 23

Source Capacity/Throughput: N/A COKE

Conditions for this source occur in the following groups: SOURCES - ELECT PM, PMI




### 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.

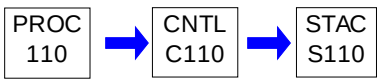
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

## SECTION D. Source Level Requirements

Source ID: 110 Source Name: AIR CLASSIFIER MILL

Source Capacity/Throughput: 1,100.000 Lbs/HR GRAPHITE




### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083BB]

No person may permit the emission into the outdoor atmosphere of particulate matter from the baghouse in such a manner that the concentration of particulate matter in the effluent gas exceeds 0.005 grains per dry standard cubic feet.

[Compliance with the requirement in this streamlined permit condition assures compliance with the provisions found in 25 Pa. Code § 123.13]

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

**# 002 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083BB]

(a) The permittee shall perform a weekly preventive maintenance inspection of the control device.

(b) The permittee shall monitor the pressure drop across the control device each day that the source is operated. The pressure drop range shall be determined during shakeout of the plan approval and integrated into the operating permit during the amendment to incorporate the plan approval.

### IV. RECORDKEEPING REQUIREMENTS.

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083BB]

(a) The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problems or defects, and any maintenance performed.

(b) The permittee shall record the pressure drop across the control device each day that the source is operated.

### V. REPORTING REQUIREMENTS.

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

## SECTION D. Source Level Requirements

### VI. WORK PRACTICE REQUIREMENTS.

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083BB]

(a) The owner or operator shall keep sufficient quantity of spare baghouse bags, at a minimum of 10% of the total number of bags (8), on hand for immediate replacement.

(b) No fugitive air contaminant emissions shall be generated as a result of removing collected dust from the baghouse or as a result of subsequently handling the collected dust on-site following its removal from the collector.

(c) The permittee shall install and maintain a baghouse pressure drop gauge to measure pressure drop across the baghouse. The gauge shall be maintained in good working order at all times. [The pressure drop range shall be 0.5 inches to 8.0 inches of water column.]

(d) The control device shall be in operation at all times the source is in operation.

(e) The source and associated control device shall be operated in accordance with manufacturers' specifications and good air pollution control practices.

### VII. ADDITIONAL REQUIREMENTS.

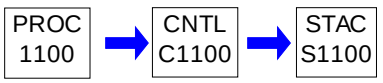
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

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

## SECTION D. Source Level Requirements

Source ID: 1100 Source Name: ELECTRIC FURNACE #1

Source Capacity/Throughput: N/A CARBON




### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.21]**

**General**

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

**# 002 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grain per dry standard cubic foot.

(b) The source shall not exceed the following emission limitations:

(1) VOC - 1.73 lb/hr

(2) SOx - 2.6 lb/hr

[PA 24-083M]

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

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

The following are CAM-related conditions:

(a) A thermocouple or equivalent shall be installed, operated, and maintained to monitor the thermal oxidizer exhaust temperature.

[PA 24-083M]

### IV. RECORDKEEPING REQUIREMENTS.

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) The permittee shall maintain a record of all preventative maintenance inspections of the control device. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problems or defects, and any routine maintenance performed.

## SECTION D. Source Level Requirements

(b) The permittee shall maintain records of the following from the operational inspections:

(1) Visible or no visible emissions were observed during the visible emission check. If visible emissions are observed, the corrective actions taken.

[PA 24-083M]

**# 005 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

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

The following are CAM-related conditions:

(a) The permittee shall record the following operational data from the thermal oxidizer (these records may be done with strip charts recorders, data acquisition systems, or other Department approved means):

(1) Thermal oxidizer exhaust temperature: Continuously

(b) 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.

(c) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). The permittee shall also record the dates, times and durations, probable causes and corrective actions taken for the incidents.

(d) The permittee shall record all inspections, repairs, and maintenance performed on the monitoring equipment.

(e) All records shall be kept for a period of five (5) years and shall be made available to the Department upon request.

[PA 24-083M]

### V. REPORTING REQUIREMENTS.

**# 006 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR §§ 64.9 (i.e., for paragraphs (a) to (c)) & 70.6(a)(3)(iii)(A) (i.e., for paragraph (a)).]

The following are CAM-related requirements:

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

(b) The permittee shall report all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable), their dates, times and durations, probable causes and corrective actions taken, every six (6) months.

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

(1) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken.

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

(3) A description of the actions taken to implement a quality improvement plan (QIP) during the semi-annual reporting

period. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

[PA 24-083M]

## VI. WORK PRACTICE REQUIREMENTS.

**# 007 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) The permittee shall perform a daily operational inspection of the control device, including but not limited to, the following:

(1) The permittee shall perform a visible emission check of the stack using Method 22 like procedure. If visible emissions are observed, the permittee shall take corrective action and record the actions taken. If no visible emissions are observed, no action is required.

(b) The permittee shall install, maintain, and operate the source and control device in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

(c) The thermal oxidizer shall be operated at all times the source is in operation.

(d) The permittee shall maintain a thermocouple or equivalent device to measure the exhaust temperature to the control device. All gauges employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (+/- 2%) of full scale reading. Exhaust temperature indicator shall be mounted in accessible areas, and shall be maintained in good operating conditions at all times.

[PA 24-083M]

**# 008 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR §§ 64.6 & 64.3 (i.e., for paragraphs (a) to (f)) & 64.7 (i.e., for paragraphs (g) to (j)).]

The following are CAM-related requirements:

(a) The permittee shall adhere to the approved indicator range for the thermal oxidizer so that operation within the range shall provide reasonable assurance of compliance. A departure from the specified indicator range over a specified averaging period shall be defined as an excursion. The approved indicator range for the following shall be determined during the initial performance test or any subsequently approved performance tests unless otherwise stated:

(1) Exhaust temperature of greater than 750°C (1,380°F) or the minimum temperature established during compliance testing. The operating range for exhaust temperature shall be determined within 90 days after startup of the thermal oxidizer, and shall be indicated to the Department in writing prior to administratively amending into the facility operating permit. Exhaust temperature range shall be made part of the facility operating permit.

[The minimum exhaust temperature as indicated by the thermocouple shall be greater than 750°C].

The permittee, with prior Departmental approval, may conduct additional performance tests to determine a new minimum exhaust temperature.

(b) The permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the control devices.

(1) The permittee shall install detectors or sensors at a Department-approved location for obtaining data that is representative of the monitored indicator.

## SECTION D. Source Level Requirements

(A) The pressure gauges are to be positioned in locations for obtaining data that is representative of the monitored indicator. The permittee shall check the pressure gauges and recalibrate semi-annually, or whenever the range of a sensor is exceeded, or a new sensor is installed.

(B) The thermocouples are to be positioned in locations for obtaining data that is representative of the monitored indicator and are to be shielded from direct flame exposure. The permittee shall check the position of the thermocouples and recalibrate semi-annually, or whenever the range of a sensor is exceeded, or a new sensor is installed.

(2) The permittee shall develop verification procedures to confirm that the operational status of the monitoring devices is within the expected range. (Operational status pertains to the accuracy of the measured values. The permittee may compare the data with any Department-approved standardized data at a specific time interval.)

(3) For QA/QC purposes, the permittee shall calibrate and check the accuracy of the monitoring equipment, according to the manufacturer's recommended procedures. (For example, the thermocouple shall be checked for accuracy (+/- 20ºF) each calendar quarter.)

(c) The permittee shall maintain all monitoring equipment and stock spare parts as necessary for routine onsite repairs.

(d) The permittee shall ensure that at least 90% of the approved monitoring data has been properly and accurately collected.

(e) The permittee shall submit an implementation plan and schedule if the approved monitoring requires the installation, testing or other necessary activities. The schedule for completing installation and beginning operation of the monitoring may not exceed 180 days after startup of source.

(f) The permittee shall perform monthly external inspections of the control system. An excursion is defined as a failure to perform and record the monthly external or annual internal inspections.

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

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

(i) RESPONSE TO EXCURSIONS OR EXCEEDANCES.

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

(2) Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of

**SECTION D. Source Level Requirements**

operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

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

[PA 24-083M]

### VII. ADDITIONAL REQUIREMENTS.

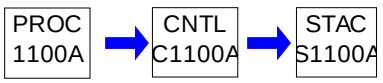
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

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

## SECTION D. Source Level Requirements

Source ID: 1100A Source Name: ELECTRIC FURNACE

Source Capacity/Throughput: 260.000 Lbs/HR




### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.21]**

**General**

[Plan Approval 24-083X]
(a) This section applies to sources except those subject to other provisions of this article, with respect to the control of sulfur compound emissions.

[Plan Approval 24-083X]
(b) No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO2, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**# 002 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 24-083X]
(a) Sources shall comply with 25 PA Code 123.1, 123.31, and 123.41 for fugitive, odor, and visible emissions respectively.

[Plan Approval 24-083X]
(b) No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grain per dry standard cubic foot.

[Plan Approval 24-083X]
(c) The source shall not exceed the following emission limitations:
1. VOC - 0.1 pounds per hour and 0.4 tons in any 12-month rolling period.
2. SO2 - 2.5 pounds per hour and 10.95 tons in any 12-month rolling period

### II. TESTING REQUIREMENTS.

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 24-083X]
(a) Within 180 days after initial start-up of the source, a stack test shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as stated on the application. The stack test shall be conducted at the outlet of the control device (C1100A) for VOC and SO2. [This initial test was completed on July 24, 2019]

1. At least 90 days prior to performing a stack test, a protocol shall be submitted in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The protocol shall contain, at a minimum, location of sampling ports, planned production rates, and any other information applicable to the stack testing. Performing a stack test prior to Department approval of the protocol may invalidate the results.

2. At least 2 weeks prior to the test, the Department shall be informed, in writing, of the date and time of the test.

3. Within 60 days after completion of the test, a complete test report, including, but not limited to, production rates during testing, calculation methods and results, and any other applicable testing information that will allow for a complete review of

## SECTION D. Source Level Requirements

the test and results, shall be submitted to the Department for approval.

(a) 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.

(b) If internet submittal cannot be accomplished, one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) shall be sent to both PSIMS Administration in Central Office and to Regional Office AQ Program Manager. Electronic copies shall be sent at the following e-mail addresses:

CENTRAL OFFICE:
RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:
RA-EPNWstacktesting@pa.gov

4. Actions Related to Noncompliance Demonstrated by a Stack Test:
(a) When the results of a stack test performed in conformance with this condition exceed the level specified in any condition of this approval, the Permittee shall take appropriate corrective actions. The Permittee shall submit a description of these corrective actions to the Department, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the Permittee within thirty (30) days, if the corrective actions taken are deficient. The Permittee shall submit a description of additional corrective actions taken to the Department within thirty (30) days of receipt of the notice of deficiency. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(b) A retest to demonstrate compliance shall be performed within one hundred and twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to the Department that retesting in one hundred and twenty (120) days is not practicable, the Department may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate approval conditions may be grounds for immediate revocation of the approval to operate the affected facility.

[Plan Approval 24-083X]
(b) Within twelve (12) to eighteen (18) months prior to the expiration of the facility operating permit, a stack test for VOC and SO2 shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as stated on the application. The stack test shall be conducted at the outlet of the control device (C1100A).

## III. MONITORING REQUIREMENTS.

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The following are CAM related conditions for C1100A:

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.6 & 64.3]
(a) A thermocouple or equivalent shall be installed, operated, and maintained to continuously monitor the temperature in the thermal oxidizer's combustion chamber.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.6 & 64.3]
(b) The permittee shall observe the burner flame daily, and inspect and maintain the oxidizer's burner annually to ensure proper operation.

## SECTION D. Source Level Requirements

### IV. RECORDKEEPING REQUIREMENTS.

**# 005 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 24-083X]
(a) The permittee shall maintain a record of all preventative maintenance inspections of the control device. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problems or defects, and any routine maintenance performed.

The following are CAM related conditions for C1100A:

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.9]
(b) The permittee shall continuously record the temperature in the thermal oxidizer's combustion chamber (this may be done with strip charts recorders, data acquisition systems, or other Department approved means). The temperatures recorded shall be averaged over a 1 hour period.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.9]
(c) The permittee shall record the results of annual inspections and daily observations of the burner.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.9]
(d) 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.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.9]
(e) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). The permittee shall also record the dates, times and durations, probable causes and corrective actions taken for the incidents.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.9]
(f) The permittee shall record the following information:
1.All inspections, repairs, and maintenance performed on the monitoring equipment.
2.Any written quality improvement plan required by 40 CFR §64.8, and any activities undertaken to implement a quality improvement plan.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.9]
(g) All records shall be kept for a period of five (5) years and shall be made available to the Department upon request.

### V. REPORTING REQUIREMENTS.

**# 006 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The following are CAM related conditions for C1100A:

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR § 64.9(a).]
The permittee shall report the following information to the Department every six (6) months:

1. All excursions and corrective actions taken, the dates, times, durations and probable causes (including unknown cause, if applicable);

2. All monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable), their dates, times and durations, probable causes (including unknown cause, if applicable) and corrective actions taken; and

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

## SECTION D. Source Level Requirements

### VI. WORK PRACTICE REQUIREMENTS.

**# 007 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 24-083X]
(a) The permittee shall not introduce material into the electric furnace until the thermal oxidizer temperature reaches the minimum operational temperature approved by the Department.

[Plan Approval 24-083X]
(b) The permittee shall perform a daily operational inspection of the operating control device.

[Plan Approval 24-083X]
(c) The permittee shall install, maintain, and operate the source and control device in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

[Plan Approval 24-083X]
(d) The permittee shall operate the control device at all times the source is in operation.

[Plan Approval 24-083X]
(e) The permittee shall maintain a thermocouple or equivalent device to measure the temperature of the thermal oxidizer's combustion chamber. All gauges employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (+/- 2%) of full scale reading. The temperature indicator shall be mounted in accessible areas, and shall be maintained in good operating conditions at all times.

The following are CAM related conditions for C1100A:
[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.6 & 64.3]
(f) The minimum operating temperature, as approved by the Department, shall be 700°C .

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.6 & 64.3]
(g)The permittee shall adhere to the following:
1.The approved temperature range for the oxidizer so that operation within the range shall provide reasonable assurance of compliance. A departure from the specified indicator range over a one-hour averaging period shall be defined as an excursion.(For example, an hourly temperature of not less than 700°C).
2.The annual inspection of the burner and the daily observation of the burner flame. An excursion is defined as failure to perform annual inspection or daily flame observation.

[Plan Approval 24-08X] [Additional authority for this permit condition is also derived from 40 CFR 64.6 & 64.3]
(h)The permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the devices.
1.The permittee shall install detectors or sensors at a Department approved location for obtaining data that is representative of the monitored indicator.
2.The permittee shall develop verification procedures to confirm the accuracy of the measured values.
3.For QA/QC purposes, the permittee shall calibrate and check the accuracy of the monitoring equipment according to the manufacturer's recommended procedures. (For example, the thermocouple shall be checked for accuracy (+/- 20°F) each calendar quarter).

[Plan Approval 24-0833X] [Additional authority for this permit condition is also derived from 40 CFR 64.6 & 64.3]
(i) At all times, the permittee shall maintain all monitoring equipment and stock spare parts as necessary for routine onsite repairs.

[Plan Approval 24-933X] [Additional authority for this permit condition is also derived from 40 CFR 64.6 & 64.3]
(j) The permittee shall ensure that at least 90% of the approved monitoring data has been properly and accurately collected.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.6 & 64.3]
(k) The permittee shall submit an implementation plan and schedule if the approved monitoring requires the installation, testing or other necessary activities. The schedule for completing installation and beginning operation of the monitoring may

not exceed 180 days after startup of source.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR §64.7]
(l) Response to excursions or exceedances.

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

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

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR §64.7]
(m) Documentation of need for improved monitoring. After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance, or performance testing document; a need to modify the existing indicator ranges or designated conditions; the owner or operator shall promptly notify the permitting authority and, if necessary, submit a proposed modification to the plan approval permit to address the necessary monitoring changes. Such modifications may include, but are not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

## VII. ADDITIONAL REQUIREMENTS.

**# 008 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 24-083X]
(a) - (b) [No longer applicable]

The following are CAM related conditions for C1100A:
[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.8 & 64.9]
(c) The permittee shall develop and implement a Quality Improvement Plan (QIP) as expeditiously as practicable if any of the following occur:

1. For properly and accurately collected data, accumulated excursions exceed two percent (2%) of the data.

2. Six (6) excursions occur in a six (6) month reporting period.

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

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.8 & 64.9]
(d) The QIP plan 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. The owner or operator shall maintain a written QIP, if required, and have it available for inspection.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.8 & 64.9]

## SECTION D. Source Level Requirements

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

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.8 & 64.9]
(f) In accordance with 40 CFR § 64.8, 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 the Department with a copy, 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 the control methods

4. Other steps appropriate to correct performance.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.8 & 64.9]
(g) 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 a manner as practicable in accordance with good air pollution control practices for minimizing emissions.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.8 & 64.9]
(h) Implementation of a QIP, shall not excuse the permittee from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirements 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 D. Source Level Requirements

Source ID: 115 Source Name: COKE/GRAPHITE MILL #3

Source Capacity/Throughput: N/A COKE/GRAPHITE

Conditions for this source occur in the following groups: SOURCES - ELECT PM, PMI




### 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).

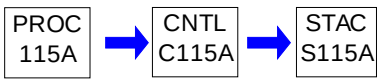
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 115A Source Name: COKE/GRAPHITE MILL #4

Source Capacity/Throughput: N/A COKE/GRAPHITE

Conditions for this source occur in the following groups: SOURCES - ELECT PM, PMI




### 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: 115B Source Name: COKE/GRAPHITE MILL # 5

Source Capacity/Throughput: N/A COKE/GRAPHITE

Conditions for this source occur in the following groups: SOURCES - ELECT PM, PMI




### 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).

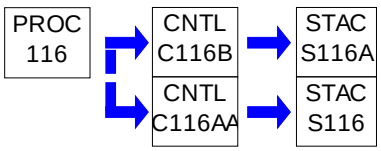
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 116 Source Name: PULVERIZERS #1 & #2 (2)

Source Capacity/Throughput: N/A CARBON

Conditions for this source occur in the following groups: SOURCES - ELECT PM, PMI




### 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: 123 Source Name: GRAPHITE PLATE SIZING 1

Source Capacity/Throughput: N/A CARBON & GRAPHI

Conditions for this source occur in the following groups: SOURCES - ELECT PM, PMI




### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

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

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

## SECTION D. Source Level Requirements

Source ID: 124 Source Name: GRAPHITE PLATE SIZING 2

Source Capacity/Throughput: N/A CARBON & GRAPH.

Conditions for this source occur in the following groups: SOURCES - ELECT PM, PMI




### 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).

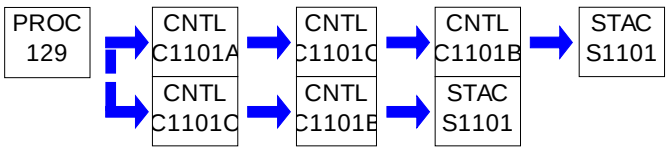
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 129 Source Name: LANLY OVEN & CARBON MIXERS

| | | |
|---|---|---|
| Source Capacity/Throughput: | N/A | Natural Gas |
| | N/A | CARBON |

Conditions for this source occur in the following groups: PA 24-083S
SOURCE TEST SUBMITTALS




This source occurs in alternate operation USE OF BACKUP THERMAL OXIDIZER

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.21]**

**General**

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

### 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

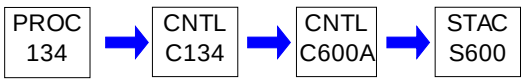
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 134 Source Name: CBH KILN #34

Source Capacity/Throughput: N/A CARBON
N/A Natural Gas

Conditions for this source occur in the following groups: KILNS - PA 24-083O
KILNS - STATE PM, TEMP MONITOR




### 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: 137 Source Name: CURING OVENS (4)

Source Capacity/Throughput: N/A GRAPHITE
N/A CARBON

Conditions for this source occur in the following groups: CURING OVENS




### 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).

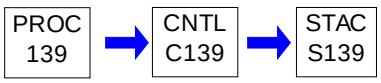
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 139 Source Name: CURING OVENS (5)

| | | |
|---|---|---|
| Source Capacity/Throughput: | N/A | GRAPHITE |
| | N/A | Natural Gas |

Conditions for this source occur in the following groups: CURING OVENS




### 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).

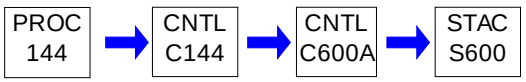
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 144 Source Name: CBH KILN #27

Source Capacity/Throughput: N/A CARBON
N/A Natural Gas

Conditions for this source occur in the following groups: KILNS - PA 24-083O
KILNS - STATE PM, TEMP MONITOR




### 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).

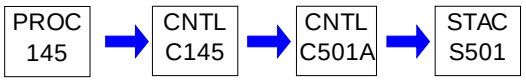
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 145 Source Name: CBH KILN #29

Source Capacity/Throughput: N/A CARBON
N/A CARBON

Conditions for this source occur in the following groups: KILNS - PA 24-083D,E,F,G,I,L
KILNS - STATE PM, TEMP MONITOR, PMI
NEW SCRUBBER A




### 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).

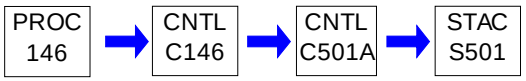
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 146 Source Name: CBH KILN #30

Source Capacity/Throughput: N/A CARBON
N/A CARBON

Conditions for this source occur in the following groups: KILNS - PA 24-083D,E,F,G,I,L
KILNS - STATE PM, TEMP MONITOR, PMI
NEW SCRUBBER A




### 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).

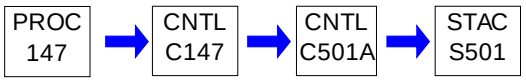
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 147 Source Name: CBH KILN #31

Source Capacity/Throughput: N/A CARBON
N/A CARBON

Conditions for this source occur in the following groups: KILNS - PA 24-083D,E,F,G,I,L
KILNS - STATE PM, TEMP MONITOR, PMI
NEW SCRUBBER A




### 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).

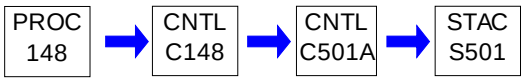
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 148 Source Name: CBH KILN #32

Source Capacity/Throughput: N/A CARBON
N/A CARBON

Conditions for this source occur in the following groups: KILNS - PA 24-083D,E,F,G,I,L
KILNS - STATE PM, TEMP MONITOR, PMI
NEW SCRUBBER A




### 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).

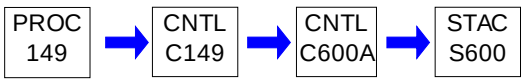
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 149 Source Name: CBH KILN #33

Source Capacity/Throughput: N/A CARBON
N/A Natural Gas

Conditions for this source occur in the following groups: KILNS - PA 24-083O
KILNS - STATE PM, TEMP MONITOR




### 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.

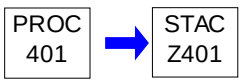
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

## SECTION D. Source Level Requirements

Source ID: 401 Source Name: BATCH GRAPHITIZERS (5)

Source Capacity/Throughput: N/A BAKED CARBON




### 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).

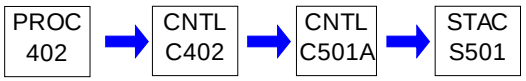
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 402 Source Name: CARBOTTOM KILN #1

| | | |
|---|---|---|
| Source Capacity/Throughput: | N/A | Natural Gas |
| | N/A | CARBON |

Conditions for this source occur in the following groups: KILNS - PA 24-083D,E,F,G,I,L
KILNS - STATE PM, TEMP MONITOR, PMI
NEW SCRUBBER A




### 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.

**# 001 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The company shall continue to use continuous analyzer and recording devices to measure and record the percent oxygen present in the flue gases leaving the afterburner chamber for Carbottom Kiln #1. In addition, the audio visual alarm shall be set to operate whenever the oxygen content in the flue gases leaving the afterburner is less than 2%.

[PA 24-313-88D, Condition #'s 6 & 8]

### 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).

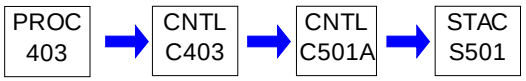
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 403 Source Name: CARBOTTOM KILN #2

| | | |
|---|---|---|
| Source Capacity/Throughput: | N/A | Natural Gas |
| | N/A | CARBON |

Conditions for this source occur in the following groups: KILNS - PA 24-083D,E,F,G,I,L
KILNS - STATE PM, TEMP MONITOR, PMI
NEW SCRUBBER A




### 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).

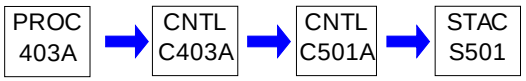
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 403A Source Name: CARBOTTOM KILN #3

Source Capacity/Throughput: N/A CARBON
N/A Natural Gas

Conditions for this source occur in the following groups: KILNS - PA 24-083D,E,F,G,I,L
KILNS - STATE PM, TEMP MONITOR, PMI
NEW SCRUBBER A




### 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).

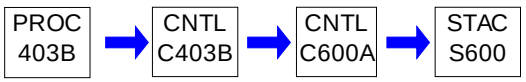
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 403B Source Name: CARBOTTOM KILN #4

Source Capacity/Throughput: N/A CARBON
N/A Natural Gas

Conditions for this source occur in the following groups: KILNS - PA 24-083O
KILNS - STATE PM, TEMP MONITOR




### 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: 405A Source Name: GRAPHITIZED MATERIALS BAKING OVEN

| | | |
|---|---|---|
| Source Capacity/Throughput: | N/A | GRAPHITIZED MATERIAL |
| | N/A | Natural Gas |

PROC 405A → STAC S405A

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.13]**

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this process 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.

**# 002 [25 Pa. Code §123.21]**

**General**

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

### Fuel Restriction(s).

**# 003 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall use only natural gas as a fuel for this source.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall maintain this source in accordance with manufacturer's specification and good air pollution control

**SECTION D. Source Level Requirements**

practices.

**VII. ADDITIONAL REQUIREMENTS.**

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

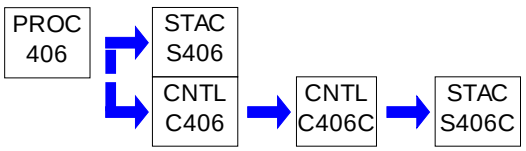
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 406 Source Name: EXCESS AIR OVENS #1 AND #2

| | | |
|---|---|---|
| Source Capacity/Throughput: | N/A | CARBON |
| | N/A | Natural Gas |

Conditions for this source occur in the following groups: EXCESS AIR OVENS




### 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. *****

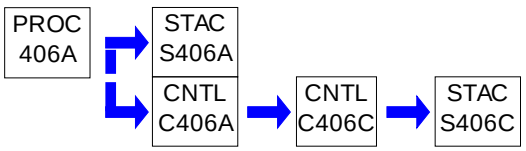
## SECTION D. Source Level Requirements

Source ID: 406A Source Name: EXCESS AIR OVENS 3 & 4

Source Capacity/Throughput: N/A

N/A Natural Gas

Conditions for this source occur in the following groups: EXCESS AIR OVENS




### 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. *****

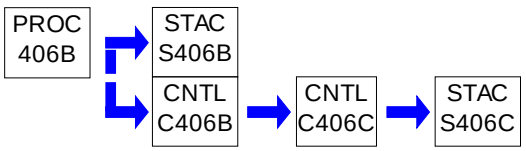
## SECTION D. Source Level Requirements

Source ID: 406B Source Name: EXCESS AIR OVENS 5 & 6

Source Capacity/Throughput: N/A

N/A Natural Gas

Conditions for this source occur in the following groups: EXCESS AIR OVENS




### 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).

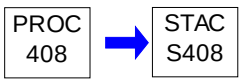
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 408 Source Name: DRYER 13

Source Capacity/Throughput: N/A CARBON

Conditions for this source occur in the following groups: DRYERS




### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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).

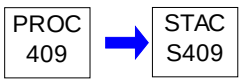
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 409 Source Name: DRYER 14

Source Capacity/Throughput: N/A Natural Gas

Conditions for this source occur in the following groups: DRYERS




### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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: 411 Source Name: JET MILL #1

Source Capacity/Throughput: N/A PITCH/COKE

Conditions for this source occur in the following groups: SOURCES - ELECT PM, PMI




### 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: 411A Source Name: JET MILL

Source Capacity/Throughput: 975.000 Lbs/HR PITCH/COKE




### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 24-083X]
(a) Sources shall comply with 25 PA Code 123.1, 123.31, and 123.41 for fugitive, odor, and visible emissions respectively.

[Plan Approval 24-083X]
(b)No person may permit the emission into the outdoor atmosphere of particulate matter from this process at any time, either in excess of the rate in such a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grains per dry standard cubic feet.

### II. TESTING REQUIREMENTS.

**# 002 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 24-083X]

(a) Within 180 days after initial start-up of the source, a stack test shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as stated on the application. The stack test shall be conducted at the outlet of the control device (C411A) for PM. [This initial test was completed on July 23-24, 2019.]

1.At least 90 days prior to performing a stack test, a protocol shall be submitted in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The protocol shall contain, at a minimum, location of sampling ports, planned production rates, and any other information applicable to the stack testing. Performing a stack test prior to Department approval of the protocol may invalidate the results.

2. At least 2 weeks prior to the test, the Department shall be informed, in writing, of the date and time of the test.

3. Within 60 days after completion of the test, a complete test report, including, but not limited to, production rates during testing, calculation methods and results, and any other applicable testing information that will allow for a complete review of the test and results, shall be submitted to the Department for approval.

(a) 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.

(b) If internet submittal cannot be accomplished, one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) shall be sent to both PSIMS Administration in Central Office and to Regional Office AQ Program Manager. Electronic copies shall be sent at the following e-mail addresses:

CENTRAL OFFICE:
RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:
RA-EPNWstacktesting@pa.gov

## SECTION D. Source Level Requirements

4. Actions Related to Noncompliance Demonstrated by a Stack Test:

(a) When the results of a stack test performed in conformance with this Condition exceed the level specified in any condition of this approval, the Permittee shall take appropriate corrective actions. The Permittee shall submit a description of these corrective actions to the Department, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the Permittee within thirty (30) days, if the corrective actions taken are deficient. The Permittee shall submit a description of additional corrective actions taken to the Department within thirty (30) days of receipt of the notice of deficiency. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(b) A retest to demonstrate compliance shall be performed within one hundred and twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to the Department that retesting in one hundred and twenty (120) days is not practicable, the Department may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate approval conditions may be grounds for immediate revocation of the approval to operate the affected facility.

[Plan Approval 24-083X]
(b) Within twelve (12) to eighteen (18) months prior to the expiration of the facility operating permit, a stack test for PM shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as stated on the application. The stack test shall be conducted at the outlet of the control device (C411A).

### III. MONITORING REQUIREMENTS.

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The following are CAM related conditions for C411A:

[Plan Approval 24-083X][Additional authority for this permit condition is also derived from 40 CFR 64.6 & 64.3]
(a) The permittee shall monitor the pressure drop across the control device at least once per 24-hour period using a magnehelic gauge or equivalent, each time that the source and control device are in operation.

[Plan Approval 24-083X][Additional authority for this permit condition is also derived from 40 CFR 64.6 & 64.3]
(b) At least once daily, during daylight hours, when the source(s) and control device are in operation, the permittee shall monitor the stack exhausting from control device C411A for the presence of visible emissions. Visible emissions readings shall be taken daily for 6-minutes using U.S. EPA Method 22 - like procedures.

### IV. RECORDKEEPING REQUIREMENTS.

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 24-083X]
(a) The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall, at a minimum, contain the inspections, any problems or defects, the actions taken to correct the problem or defects, and any routine maintenance performed.

The following are CAM related conditions for C411A:

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.6 & 64.3]
(b) The permittee shall maintain daily records of the pressure drop across the control device.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.6 & 64.3]
(c) The permittee shall keep records of the daily visible emission observations.

## SECTION D. Source Level Requirements

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.9]
(d) 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.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.9]
(e) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). The permittee shall also record the dates, times and durations, probable causes and corrective actions taken for the incidents.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.9]
(f) The permittee shall record the following information:
1.All inspections, repairs, and maintenance performed on the monitoring equipment.
2.Any written quality improvement plan required by 40 CFR §64.8, and any activities undertaken to implement a quality improvement plan.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.9]
(g) 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.

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

The following are CAM related conditions for C411A:

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR § 64.9(a).]
The permittee shall report the following information to the Department every six (6) months:

1. All excursions and corrective actions taken, the dates, times, durations and probable causes (including unknown cause, if applicable);

2. All monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable), their dates, times and durations, probable causes (including unknown cause, if applicable) and corrective actions taken; and

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

### VI. WORK PRACTICE REQUIREMENTS.

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

[Plan Approval 24-083X]
(a) The permittee shall perform a daily operational inspection of the operating control device.

[Plan Approval 24-083X]
(b) The permittee shall perform a weekly preventive maintenance inspection of the control device.

[Plan Approval 24-083X]
(c) A magnehelic gauge or equivalent shall be permanently installed and maintained at a convenient readable location, and operated at all times to measure the pressure drop across the control device. The gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (±2%) of full scale reading.

## SECTION D. Source Level Requirements

[Plan Approval 24-083X]
(d) The permittee shall maintain 20% of the required filter elements for the control device associated with this source, on site, for emergency replacement.

[Plan Approval 24-083X]
(e) The permittee shall operate the control device at all times the source is in operation.

[Plan Approval 24-083X]
(f) The permittee shall install, maintain, and operate the source and control device in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

The following are CAM related conditions for C411A:

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.6 & 64.3]
(g) The pressure differential range, as approved by the Department, shall be 0.3 to 2.0 inches water.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.6 & 64.3]
(h)The permittee shall adhere to the approved pressure differential range for the baghouse so that operation within the range shall provide reasonable assurance of compliance. A departure from the specified pressure drop range shall be defined as an excursion.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.6 & 64.3]
(i)The permittee shall adhere to the daily visible emissions readings. An excursion is defiened as failure to perform the daily visible emissions readings.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.6 & 64.3]
(j) If visible emissions are observed at any time from the stack exhausting from control device C411A, the permittee shall take immediate corrective actions to identify and attempt to eliminate the source of visible emissions.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.3]
(k) The permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the devices.
1.The permittee shall install detectors or sensors at a Department approved location for obtaining data that is representative of the monitored indicator.
2.The permittee shall develop verification procedures to confirm the accuracy of the measured values.
3.For QA/QC purposes, the permittee shall calibrate and check the accuracy of the monitoring equipment according to the manufacturer's recommended procedures. (For example, the pressure gauge shall be calibrated and checked for accuracy monthly).

[Plan Approval 24-0833X] [Additional authority for this permit condition is also derived from 40 CFR 64.6 & 64.3]
(l) At all times, the permittee shall maintain all monitoring equipment and stock spare parts necessary for routine onsite repairs.

[Plan Approval 24-933X] [Additional authority for this permit condition is also derived from 40 CFR 64.6 & 64.3]
(m) The permittee shall ensure that at least 90% of the approved monitoring data has been properly and accurately collected.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.4]
(n) The permittee shall submit an implementation plan and schedule if the approved monitoring requires the installation,testing or other necessary activities. The schedule for completing installation and beginning operation of the monitoring may not exceed 180 days after startup of source.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.7]
(o) Response to excursions or exceedances.

(1) Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific

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

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

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.7]
(p) Documentation of need for improved monitoring. After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the permitting authority and, if necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

## VII. ADDITIONAL REQUIREMENTS.

**# 007 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 24-083X]
(a) - (b) [No longer applicable]

The following are CAM related conditionss for C411A :

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.8 & 64.9]
(c) The permittee shall develop and implement a Quality Improvement Plan (QIP) as expeditiously as practicable if any of the following occur:

1. For properly and accurately collected data, accumulated excursions exceed two percent (5%) of the data.

2. Six (6) excursions occur in a six (6) month reporting period.

3. The Department determines after review of all reported information that the permittee has not responded acceptable to an excursion.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.8 & 64.9]
(d) If applicable, the QIP plan 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. The owner or operator shall maintain a written QIP, if required, and have it available for inspection.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.8 & 64.9]
(e) The permittee shall record actions taken to implement a QIP during a reporting period and all related actions including, but not limited to inspections, repairs, and maintenance performed on the monitoring equipment.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.8 & 64.9]
(f) In accordance with 40 CFR § 64.8, the QIP shall include procedures for evaluating the control performance

## SECTION D. Source Level Requirements

problems.Based on the results of the evaluation procedures, the permittee shall modify the QIP and provide the Department with a copy, 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 the control methods

4. Other steps appropriate to correct performance.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.8 & 64.9]
(g) 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.

[Plan Approval 24-083X] [Additional authority for this permit condition is also derived from 40 CFR 64.8 & 64.9]
(h) Implementation of a QIP, shall not excuse the permittee from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirements 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 D. Source Level Requirements

Source ID: 414 Source Name: GRAPHITE MACHINING 1 (LATHE)

Source Capacity/Throughput: N/A GRAPHITE

Conditions for this source occur in the following groups: MACHINING




### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

**# 001 [25 Pa. Code §127.511]**

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

The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problem or defects, any routine maintenance performed, and the pressure drop across the control device.

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 002 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The permittee shall install and maintain a baghouse pressure drop gauge to measure pressure drop across the fabric collector. The gauge shall be maintained in good working order at all times.

[Compliance with the requirement in this streamlined permit condition assures compliance with the provisions found in PA 24-083B, Condition # 7]

### 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: GRAPHITE MACHINING 2 (LATHE)

Source Capacity/Throughput: N/A GRAPHITE

Conditions for this source occur in the following groups: MACHINING




### 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: 416 Source Name: GRAPHITE MACHINING 3 (LATHE)

Source Capacity/Throughput: N/A GRAPHITE

Conditions for this source occur in the following groups: MACHINING




### 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: 417 Source Name: GRAPHITE MACHINING 4 (LATHE)

Source Capacity/Throughput: N/A GRAPHITE

Conditions for this source occur in the following groups: MACHINING




### 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: 419 Source Name: GRAPHITE MACHINING 6 (SRD GRINDER)

Source Capacity/Throughput: N/A GRAPHITE

Conditions for this source occur in the following groups: MACHINING




### 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: 420 Source Name: GRAPHITE MACHINING 7 (SAWS & GRINDER)

Source Capacity/Throughput: N/A GRAPHITE

Conditions for this source occur in the following groups: MACHINING




### 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: 421 Source Name: GRAPHITE MACHINING 8 (GRINDERS-6)

Source Capacity/Throughput: N/A GRAPHITE

Conditions for this source occur in the following groups: MACHINING




### 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: 424 Source Name: SCREENERS #9, #10

Source Capacity/Throughput: N/A

Conditions for this source occur in the following groups: SOURCES - STATE PM, PMI, PRES DROP RANGE




### 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).

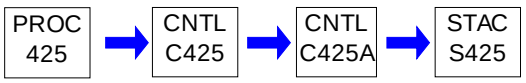
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 425 Source Name: ROLLER MILL #6

Source Capacity/Throughput: N/A

Conditions for this source occur in the following groups: SOURCES - STATE PM, PMI, PRES DROP RANGE




### 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: 426 Source Name: COKE SCREENER - BUILDING 102

Source Capacity/Throughput: N/A COKE

Conditions for this source occur in the following groups: SOURCES - STATE PM, PMI, PRES DROP RANGE




### 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: 428 Source Name: PITCH COKE,CRUSHER,BLENDER,10 VACUUM HOSES & 1 WEIGH STATION

Source Capacity/Throughput: N/A

Conditions for this source occur in the following groups: PA 24-083J
SOURCE TEST SUBMITTALS

PROC 428 → CNTL C428 → STAC S428

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The facility shall not operate both the crusher and the blending process at the same time until a compliance test is conducted that demonstrates that both units can be operated simultaneously and maintain outlet emissions from the baghouse that controls these sources below the FPM emission limit established in PA 24-083J.

[For the FPM limit, see Source Group PA 24-083J in Section E of this permit.]

### II. TESTING REQUIREMENTS.

**# 002 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) The facility may operate the source at greater than their throughput limitation in the facility operating permit but not to exceed their rated capacity as stated in the original plan approval application only during stack testing to show compliance with the FPM limitation. The stack test shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be conducted for FPM for the Crusher/Blending process using EPA Method 5 or another Department approved method. The facility operating permit will be modified to show the new throughput limitation established during this testing after the Department approves the results showing compliance with the FPM limitation.

(1) - (7) [Replaced by the latest instructions on source test submittals. See Source Group SOURCE TEST SUBMITTALS in Section E of this permit.]

(8) ACTIONS RELATED TO NONCOMPLIANCE DEMONSTRATED BY A STACK TEST: [Omitted. The stack testing is a one-time requirement. However, the testing provision, specifically paragraph (a), is maintained as the language permits operation above the throughput limitation as long as stack testing show compliance with the application limitation.]

[PA 24-083Q]

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

## SECTION D. Source Level Requirements

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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: 429 Source Name: SCREENS, #1 TO #8 (8)

Source Capacity/Throughput: N/A

Conditions for this source occur in the following groups: PA 24-083J




### 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: 86" PRESS JOLTERS

Source Capacity/Throughput: N/A

Conditions for this source occur in the following groups: SOURCES - STATE PM, PMI




### 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: 431 Source Name: ROLLER MILL- BLDG 303

Source Capacity/Throughput: N/A

Conditions for this source occur in the following groups: SOURCES - STATE PM, PMI




### 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).

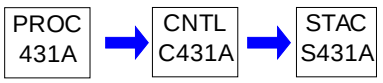
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 431A Source Name: ROLLER MILL #10 (BLDG 305)

Source Capacity/Throughput: 1.000 Lbs/HR COKE/GRAPHITE

Conditions for this source occur in the following groups: SOURCES - STATE PM, PMI




### 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).

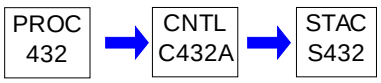
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 432 Source Name: MISC. SOURCES WITH DUST COLLECTORS

Source Capacity/Throughput: N/A

Conditions for this source occur in the following groups: SOURCES - STATE PM, PMI




### 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).

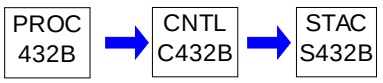
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 432B Source Name: MISC. SOURCES WITH 4,000-CFM TORIT DUST COLLECTOR

Source Capacity/Throughput: N/A

Conditions for this source occur in the following groups: SOURCES - STATE PM, PMI




### 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).

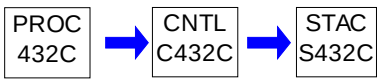
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 432C Source Name: MISC. SOURCES WITH 4,000-CFM ULTRA DUST COLLECTOR

Source Capacity/Throughput: 1.000 Tons/HR

Conditions for this source occur in the following groups: SOURCES - STATE PM, PMI




### 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: 433 Source Name: TWO PARTS CLEANERS

Source Capacity/Throughput: N/A

PROC 433 → STAC Z433

### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 001 [25 Pa. Code §129.63]**

**Degreasing operations**

(a) Cold cleaning machines. Except for those subject to the Federal National emissions standards for hazardous air pollutants (NESHAP) for halogenated solvent cleaners under 40 CFR Part 63 (relating to National emission standards for hazardous air pollutants for source categories), this subsection applies to cold cleaning machines that use 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

(1) Immersion cold cleaning machines shall have a freeboard ratio of 0.50 or greater.

(2) Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:

(i) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (3). In addition, the label shall include the following discretionary good operating practices:

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

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

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

(ii) Be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover.

(3) Cold cleaning machines shall be operated in accordance with the following procedures:

(i) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.

(ii) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.

(iii) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.

(iv) Air agitated solvent baths may not be used.

(v) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

(4) After December 22, 2002, a person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(5) On and after December 22, 2002, a person who sells or offers for sale any solvent containing VOCs for use in a cold cleaning machine shall provide, to the purchaser, the following written information:

(i) The name and address of the solvent supplier.

(ii) The type of solvent including the product or vendor identification number.

(iii) The vapor pressure of the solvent measured in mm hg at 20°C (68°F).

(6) A person who operates a cold cleaning machine shall maintain for at least 2 years and shall provide to the Department, on request, the information specified in paragraph (5). An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

(7) Paragraph (4) does not apply:

(i) To cold cleaning machines used in extreme cleaning service.

(ii) If the owner or operator of the cold cleaning machine demonstrates, and the Department approves in writing, that compliance with paragraph (4) will result in unsafe operating conditions.

(iii) To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.

(b) - (e) [Not Applicable]

## VII. ADDITIONAL REQUIREMENTS.

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

## SECTION D. Source Level Requirements

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

## SECTION D. Source Level Requirements

Source ID: 440 Source Name: BATCH GRAPHITIZING FURNACE LWG #16

| | | |
|---|---|---|
| Source Capacity/Throughput: | N/A | GRAPHITE |
| | N/A | Natural Gas |

PROC 440 → STAC Z401

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.13]**

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this process 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.

**# 002 [25 Pa. Code §123.21]**

**General**

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

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) No person may permit the emission into the outdoor atmosphere of carbon monoxide (CO) from source 440 in a manner that the emission rate exceeds an average of 130 lbs/hour over the course of a batch graphitizing run.

(b) No person may permit the emission into the outdoor atmosphere of particulate matter (PM) from source 440 in a manner that the emission rate exceeds an average of 15 lbs/hr over the course of a batch graphitizing run.

(c) No person may permit the emission into the outdoor atmosphere of volatile organic compounds (VOC) from source 440 in a manner that the emission rate exceeds an average of 1.75 lbs/hr over the course of a graphitizing run.

(d) No person may permit the emission into the outdoor atmosphere of sulfur oxides (SOx) from source 440 in a manner that the emission rate exceeds an average of 23 lbs/hr over the course of a graphitizing run.

[PA 24-083T]

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 24-083W]

Throughput from source 440 shall not exceed 1958.4 tpy calculated as a 12-month rolling total.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

**# 005 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 24-083W]

## SECTION D. Source Level Requirements

The permittee shall record the baked weight of carbon for each run done using source 440.

### IV. RECORDKEEPING REQUIREMENTS.

**# 006 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 24-083W]

The permittee will keep records of the following:

a) graph runs and baked weight of carbon for each run of source 440 which will be totaled monthly and added to the total from the previous 11 months of operation to arrive at a 12 month rolling total.

These records will be kept for five (5) years and made available to the Department upon request.

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 007 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The permittee shall maintain this source in accordance with manufacturer's specification and good air pollution control practices.

[PA 24-083T]

### 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: 450 Source Name: RAYMOND PULVERIZER (42 TPD)

Source Capacity/Throughput: N/A

Conditions for this source occur in the following groups: SOURCES - ELECT/PA PM, PMI, PRESS DROP




### 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).

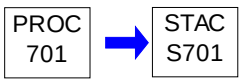
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 701 Source Name: EMERGENCY GENERATOR B101 (10-KW)

Source Capacity/Throughput: 0.161 MCF/HR Natural Gas

Conditions for this source occur in the following groups: EMERGENCY ENGINES - EXISTING




### 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).

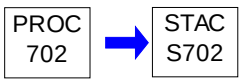
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 702 Source Name: EMERGENCY GENERATOR D131 (35-KW)

Source Capacity/Throughput: 0.480 MCF/HR Natural Gas

Conditions for this source occur in the following groups: EMERGENCY ENGINES - EXISTING




### 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).

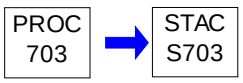
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 703 Source Name: EMERGENCY GENERATOR D30 (40-KW)

Source Capacity/Throughput: 0.543 MCF/HR Natural Gas

Conditions for this source occur in the following groups: EMERGENCY ENGINES - EXISTING




### 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: 704 Source Name: EMERGENCY GENERATOR B304 (9-KW)

Source Capacity/Throughput: 0.156 MCF/HR Natural Gas

Conditions for this source occur in the following groups: EMERGENCY ENGINES - NEW

PROC 704 → STAC S704

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4231]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**stationary SI internal combustion engines or equipment containing such engines?**

[As cited by § 60.4233(a)]

(a) Stationary SI internal combustion engine manufacturers must certify their stationary SI ICE with a maximum engine power less than or equal to 19 KW (25 HP) manufactured on or after July 1, 2008 to the certification emission standards and other requirements for new nonroad SI engines in 40 CFR part 1054, as follows:

IF ENGINE DISPLACEMENT IS...
(3) at or above 225 cc

AND MANUFACTURING DATES ARE...
July 1, 2008 to December 31, 2010

THE ENGINE MUST MEET THE FOLLOWING NON-HANDHELD EMISSION STANDARDS IDENTIFIED IN 40 CFR PART 1054 AND RELATED REQUIREMENTS:
Phase 2

**********

From Appendix I to Part 1054 (Summary of Previous Emission Standards)

(a) HANDHELD ENGINES. [Not Applicable]

(b) NONHANDHELD ENGINES.

(1) [Not Applicable]

(2) Phase 2 standards apply for nonhandheld engines as summarized in the following table starting with model year 2001 (except as noted for Class I engines):

Table 4 to Appendix I - Phase 2 Emission Standards for Nonhandheld Engines (g/kW-hr)

ENGINE DISPLACEMENT CLASS: Class II
(a) HC + NOx: 12.1 g/kW-hr

(b) NMHC + NOx: 11.3 g/kW-hr

(c) CO: 610 g/kW-hr

(3) Note that engines subject to Phase 1 standards were not subject to useful life provisions as specified in § 1054.107. In addition, engines subject to Phase 1 standards and engines subject to Phase 2 standards were both not subject to the following provisions:

## SECTION D. Source Level Requirements

(i) Evaporative emission standards as specified in §§ 1054.110 and 1054.112.

(ii) Altitude adjustments as specified in § 1054.115(c).

(iii) Warranty assurance provisions as specified in § 1054.120(f).

(iv) Emission-related installation instructions as specified in § 1054.130.

(v) Bonding requirements as specified in § 1054.690.

**********

(b) - (g) [Not Applicable]

[73 FR 3591, Jan. 18, 2008, as amended at 73 FR 59175, Oct. 8, 2008; 76 FR 37973, June 28, 2011; 78 FR 6697, Jan. 30, 2013; 86 FR 34360, June 29, 2021]

[§ 60.4231(a)'s items (1), (2) & (4) under engine displacement do not apply to Source 704. Other engine displacement classes of Table 4 to Appendix I to Part 1054 do not apply to Source 704.]

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?**

(a) Owners and operators of stationary SI ICE with a maximum engine power less than or equal to 19 KW (25 HP) manufactured on or after July 1, 2008, must comply with the emission standards in § 60.4231(a) for their stationary SI ICE.

(b) - (c) [Not Applicable]

(d) [Not Applicable to Source 704; applicable to Source 705.]

(e) - (h) [Not Applicable]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37973, June 28, 2011]

### 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.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

(a) If you are an owner or operator of a stationary SI internal combustion engine that is manufactured after July 1, 2008, and must comply with the emission standards specified in § 60.4233(a) through (c), you must comply by purchasing an engine certified to the emission standards in § 60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. In addition, you must meet one of the requirements specified in (a)(1) and (2) of this section.

(1) If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator. You must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to you. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance.

(2) If you do not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, your engine will be considered a non-certified engine, and you must demonstrate compliance according to (a)(2)(i) through (iii) of this section, as appropriate.

(i) If you are an owner or operator of a stationary SI internal combustion engine less than 100 HP, you must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions, but no performance testing is required if you are an owner or operator.

(ii) - (iii) [Not Applicable]

(b) [Not Applicable to Source 704; applicable to Source 705.]

(c) [Not Applicable]

(d) [See Source Group EMERGENCY ENGINES - NEW in Section E of this permit.]

(e) [Omitted. Provision on use of propane as an alternative fuel.]

(f) [Not Applicable to Source 704 pursuant to § 60.4243(a)(2)(i); applicable to Source 705.]

(g) [Not Applicable. Source 704 is a lean-burn engine.]

(h) - (i) [Not Applicable]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37974, June 28, 2011; 78 FR 6697, Jan. 30, 2013; 86 FR 34362, June 29, 2021]

### 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: 705 Source Name: EMERGENCY GENERATOR B94 (36-KW)

Source Capacity/Throughput: 0.503 MCF/HR Natural Gas

Conditions for this source occur in the following groups: EMERGENCY ENGINES - NEW

PROC 705 → STAC S705

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60 Subpart JJJJ Table 1]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**Table 1 to Subpart JJJJ of Part 60.--**

ENGINE TYPE AND FUEL: Emergency

MAXIMUM ENGINE POWER: 25<HP<130

MANUFACTURE DATE: 1/1/2009

EMISSION STANDARDS:

(a) NOx: 10 g/hp-hr [Footnote (c)]

(b) CO: 387 g/hp-hr

(c) VOC: [Not Applicable]

[Footnotes:
(a) - (b) [Not Applicable]

(c) The emission standards applicable to emergency engines between 25 HP and 130 HP are in terms of NOx + HC.

(d) [Not Applicable]
]

[76 FR 37975, June 28, 2011]

[Other engine type & fuel categories of this do not apply to Source 705. The HP>=130 category under maximum engine power for emergency engine type also does not apply.]

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?**

(a) [Not Applicable to Source 705; applicable to Source 704.]

(b) - (c) [Not Applicable]

(d) Owners and operators of stationary SI ICE with a maximum engine power greater than 19 KW (25 HP) and less than 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards for field testing in 40 CFR 1048.101(c) for their non-emergency stationary SI ICE and with the emission standards in Table 1 to this subpart for their emergency stationary SI ICE. Owners and operators of stationary SI ICE with a maximum engine power

## SECTION D. Source Level Requirements

greater than 19 KW (25 HP) and less than 75 KW (100 HP) manufactured prior to January 1, 2011, that were certified to the standards in Table 1 to this subpart applicable to engines with a maximum engine power greater than or equal to 100 HP and less than 500 HP, may optionally choose to meet those standards.

[For Table 1, see I. Restrictions, Emission Restrictions for this source.]

(e) - (h) [Not Applicable]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37973, June 28, 2011]

### 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.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

(a) [Not Applicable to Source 705; applicable to Source 704.]

(b) If you are an owner or operator of a stationary SI internal combustion engine and must comply with the emission standards specified in § 60.4233(d) or (e), you must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) and (2) of this section.

(1) Purchasing an engine certified according to procedures specified in this subpart, for the same model year and demonstrating compliance according to one of the methods specified in paragraph (a) of this section.

(2) [Not Applicable. Provision for non-certified engine.]

(c) [Not Applicable]

(d) [See Source Group EMERGENCY ENGINES - NEW in Section E of this permit.]

(e) [Omitted. Provision on use of propane as an alternative fuel.]

(f) If you are an owner or operator of a stationary SI internal combustion engine that is less than or equal to 500 HP and you purchase a non-certified engine or you do not operate and maintain your certified stationary SI internal combustion engine

## SECTION D. Source Level Requirements

and control device according to the manufacturer's written emission-related instructions, you are required to perform initial performance testing as indicated in this section, but you are not required to conduct subsequent performance testing unless the stationary engine undergoes rebuild, major repair or maintenance. Engine rebuilding means to overhaul an engine or to otherwise perform extensive service on the engine (or on a portion of the engine or engine system). For the purpose of this paragraph (f), perform extensive service means to disassemble the engine (or portion of the engine or engine system), inspect and/or replace many of the parts, and reassemble the engine (or portion of the engine or engine system) in such a manner that significantly increases the service life of the resultant engine.

[For testing requirements of § 60 Subpart JJJJ, refer to § 60.4244 under Title 40 - Protection of Environment in www.ecfr.gov.]

(g) [Not Applicable. Source 705 is a lean-burn engine.]

(h) - (i) [Not Applicable]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37974, June 28, 2011; 78 FR 6697, Jan. 30, 2013; 86 FR 34362, June 29, 2021]

### 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: CRUSHERS

Group Description: Requirements for the crushers

Sources included in this group

| ID | Name |
|---|---|
| 102 | CRUSHERS - BLDG 157, DEPT 23, WEIGH STATION (16) |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 Elective Restriction**

No person may permit the emission into the outdoor atmosphere of particulate matter from this process at any time, either in excess of the rate in such a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grains per dry standard cubic feet.

[Compliance with the requirement in this streamlined permit condition assures compliance with the provisions found in 25 Pa. Code § 123.13]

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

**# 002 [25 Pa. Code §127.511]**

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

The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problems or defects, and any maintenance performed.

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) The permittee shall keep at least:

(1) For Source 101: 50 bags for Griffin Environmental fabric collector.

(2) For Source 102: 20 bags for Fuller Dracco fabric collector.

(b) The permittee shall install and maintain a baghouse pressure drop gauge to measure pressure drop across the fabric collector. The gauge shall be maintained in good working order at all times.

[Paragraph (a) of this condition is PA 24-313-099A, Condition #006. For paragraph (b), compliance with the requirement in this streamlined permit condition assures compliance with the provisions found in Plan approval # 24-313-099A, condition #6(b).]

## SECTION E. Source Group Restrictions.

**# 004 [25 Pa. Code §127.511]**

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

(a) The permittee shall perform a weekly preventive maintenance inspection of the control device.

(b) The permittee shall operate the control device at all times that this source is in operation.

(c) The permittee shall maintain and operate this source and the control device in accordance with the manufacturer's specifications and good air pollution control practices.

### VII. ADDITIONAL REQUIREMENTS.

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

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

## SECTION E. Source Group Restrictions.

Group Name: CURING OVENS

Group Description: Requirements for the curing ovens

Sources included in this group

| ID | Name |
|---|---|
| 137 | CURING OVENS (4) |
| 139 | CURING OVENS (5) |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.13]**

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this process not listed 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.

**# 002 [25 Pa. Code §123.21]**

**General**

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

### Fuel Restriction(s).

**# 003 [25 Pa. Code §127.511]**

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

The permittee shall use only natural gas as a fuel for this source.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

**# 004 [25 Pa. Code §127.511]**

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

The permittee shall maintain a record of all preventive maintenance inspections of the thermal oxidizer. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problems or defects, any maintenance performed, and the exhaust temperature of thermal oxidizer.

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 005 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The permittee shall maintain the afterburner temperature of at least 1,400 degree Fahrenheit (1,400°F).

[PA 24-313-114, Condition #4]

## SECTION E. Source Group Restrictions.

**# 006 [25 Pa. Code §127.511]**

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

(a) The permittee shall perform a weekly preventive maintenance inspection of the thermal oxidizer.

(b) The permittee shall monitor and record the exhaust temperature of thermal oxidizer.

(c) The permittee shall operate the thermal oxidizer when the oven temperature is between 200°F and 1,000°F.

(d) The permittee shall maintain and operate this source and the control device in accordance with good air pollution control practices.

### VII. ADDITIONAL REQUIREMENTS.

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

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

## SECTION E. Source Group Restrictions.

Group Name: DRYERS

Group Description: Requirements for the dryers

Sources included in this group

| ID | Name |
|---|---|
| 408 | DRYER 13 |
| 409 | DRYER 14 |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.13]**

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this process not listed 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.

**# 002 [25 Pa. Code §123.21]**

**General**

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

### Fuel Restriction(s).

**# 003 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall use only natural gas as a fuel for this source.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

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

## SECTION E. Source Group Restrictions.

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

## SECTION E. Source Group Restrictions.

Group Name: EMERGENCY ENGINES - EXISTING

Group Description: Requirements for existing emergency engines

Sources included in this group

| ID | Name |
|---|---|
| 701 | EMERGENCY GENERATOR B101 (10-KW) |
| 702 | EMERGENCY GENERATOR D131 (35-KW) |
| 703 | EMERGENCY GENERATOR D30 (40-KW) |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.13]**

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this process 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.

**# 002 [25 Pa. Code §123.21]**

**General**

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

### Operation Hours Restriction(s).

**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requiremer**

(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

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

(ii) - (iii) [Vacated by EPA]

(3) [Not Applicable]

(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

## SECTION E. Source Group Restrictions.

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) - (ii) [Not Applicable. Provisions on use of an engine to supply power as part of a financial arrangement with another entity.]

[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]

[Fror other paragraphs of § 63.6640, see V. Reporting Requirements & VI. Work Practice Requirments for this source group.]

### 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 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What are my monitoring, installation, operation, and maintenance requirements?**

(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.

[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]

[For other paragraphs of § 63.6625, see VI. Work Practice Requirements for this source group.]

### IV. RECORDKEEPING REQUIREMENTS.

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What records must I keep?**

(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) [Not Applicable]

(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with § 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

**SECTION E. Source Group Restrictions.**

(b) - (c) [Not Applicable]

(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.

[For Table 6, see VI. Work Practice Requirements for this source group.]

(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) [Not Applicable]

(2) An existing stationary emergency RICE.

(3) An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to this subpart.

[For Table 2d, see VI. Work Practice Requirements for this source group.]

(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) [Not Applicable]

(2) An existing emergency stationary RICE located at an area source of HAP emissions that does not meet the standards applicable to non-emergency engines.

[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]

**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

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

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

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

(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1).

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010]

## V. REPORTING REQUIREMENTS.

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

(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. [Omitted provisions not applicable

## SECTION E. Source Group Restrictions.

[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]

[For other paragraphs of § 63.6640, see I. Restrictions, Operation Hours Restrictions & VI. Work Practice Requirements.]

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6650]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What reports must I submit and when?**

(a) - (e) [Not Applicable]

(f) Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6 (a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). [Omitted provisions not applicable]

(g) - (h) [Not Applicable]

[69 FR 33506, June 15, 2004, as amended at 75 FR 9677, Mar. 3, 2010; 78 FR 6705, Jan. 30, 2013]

## VI. WORK PRACTICE REQUIREMENTS.

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 2d]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions**

As stated in §§ 63.6603 and 63.6640, you must comply with the following requirements for existing stationary RICE located at area sources of HAP emissions:

FOR EACH...
(5) Emergency stationary SI RICE. [Footnote (2)]
[Other engine types in this category not applicable]

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; [Footnote (1)]

(b) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and

(c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

DURING PERIODS OF STARTUP YOU MUST...
Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

[FOOTNOTES:
(1) 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 2d of this subpart.
(2) If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of this subpart, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management 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

## SECTION E. Source Group Restrictions.

management practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.
]

[78 FR 6709, Jan. 30, 2013]

[Categories (1) to (4) & (6) to (13) do not apply.]

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 6]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**Table 6 to Subpart ZZZZ of Part 63.-- Continuous Compliance With Emission Limitations and Operating Limitations**

As stated in § 63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

FOR EACH...
(9) Existing emergency and black start stationary RICE located at an area source of HAP. [Other engine types under this category not applicable]

COMPLYING WITH THE REQUIREMENT TO...
(a) Work or Management practices

YOU MUST DEMONSTRATE CONTINUOUS COMPLIANCE BY...
(i) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

(ii) Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[78 FR 6715, Jan. 30, 2013]

[Categories (1) to (8) & (10) to (15) do not apply]

**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**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?**

[Omitted introductory text]

(a) If you own or operate an existing stationary RICE located at an area source of HAP emissions, you must comply with the requirements in Table 2d to this subpart and the operating limitations in Table 2b to this subpart that apply to you.

[For Table 2d, refer to VI. Work Practice Requirements for this source group.]

(b) - (f) [Not Applicable]

[75 FR 9675, Mar. 3, 2010, as amended at 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6701, Jan. 30, 2013]

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

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

(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

## SECTION E. Source Group Restrictions.

(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]

**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What are my monitoring, installation, operation, and maintenance requirements?**

(a) - (d) [Not Applicable]

(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) - (2) [Not Applicable]

(3) An existing emergency or black start stationary RICE located at an area source of HAP emissions;

(4) - (10) [Not Applicable]

(f) [See III. Monitoring Requirements for this source group]

(g) [Not Applicable]

(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply.

(i) [Not Applicable]

(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]

## SECTION E. Source Group Restrictions.

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

(b) - (d) [Not Applicable]

(e) [See V. Reporting Requirements for this source group.]

(f) [See I. Restrictions, Operation Hours Restrictions for this source group.]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013]

## VII. ADDITIONAL REQUIREMENTS.

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6580]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What is the purpose of subpart ZZZZ?**

Subpart ZZZZ establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

[73 FR 3603, Jan. 18, 2008]

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**Am I subject to this subpart?**

You are subject to this subpart if you own or operate a stationary RICE at a major or area source of HAP emissions, except if the stationary RICE is being tested at a stationary RICE test cell/stand.

(a) A stationary RICE is any internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.

(b) [Not Applicable]

(c) An area source of HAP emissions is a source that is not a major source.

(d) - (f) [Not Applicable]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3603, Jan. 18, 2008; 78 FR 6700, Jan. 30, 2013]

**# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What parts of my plant does this subpart cover?**

This subpart applies to each affected source.

(a) AFFECTED SOURCE. An affected source is any existing, new, or reconstructed stationary RICE located at a major or

## SECTION E. Source Group Restrictions.

area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) EXISTING STATIONARY RICE.

(i) - (ii) [Not Applicable]

(iii) For stationary RICE located at an area source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

(iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.

(2) NEW STATIONARY RICE.

(i) - (ii) [Not Applicable]

(iii) A stationary RICE located at an area source of HAP emissions is new if you commenced construction of the stationary RICE on or after June 12, 2006. [For Sources 704 & 705]

(3) RECONSTRUCTED STATIONARY RICE. [Omitted]

(b) STATIONARY RICE SUBJECT TO LIMITED REQUIREMENTS. [Not Applicable]

(c) STATIONARY RICE SUBJECT TO REGULATIONS UNDER 40 CFR PART 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part. [Applicable to Sources B304 & B94]

(1) A new or reconstructed stationary RICE located at an area source; [For Sources 704 & 705]

(2) - (7) [Not Applicable]

[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]

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

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

(a) AFFECTED SOURCES.

(1) If you have an existing stationary 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. [Omitted statements/provisions not applicable]

(2) - (6) [Not Applicable]

(7) If you start up your new or reconstructed stationary RICE located at an area source of HAP emissions after January 18, 2008, you must comply with the applicable emission limitations and operating limitations in this subpart upon startup of your affected source. [For Sources 704 & 705]

(b) AREA SOURCES THAT BECOME MAJOR SOURCES. If you have an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP, the compliance dates in paragraphs (b)(1) and (2) of this section apply to you.

(1) [Not Applicable]

## SECTION E. Source Group Restrictions.

(2) Any stationary RICE for which construction or reconstruction is commenced before your area source becomes a major source of HAP must be in compliance with the provisions of this subpart that are applicable to RICE located at major sources within 3 years after your area source becomes a major source of HAP.

(c) If you own or operate an affected source, you must meet the applicable notification requirements in § 63.6645 and in 40 CFR part 63, subpart A.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9675, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 78 FR 6701, Jan. 30, 2013]

**# 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What parts of the General Provisions apply to me?**

Table 8 to this subpart shows which parts of the General Provisions in §§ 63.1 through 63.15 apply to you. [Omitted provisions not applicable.] [For Table 8 to § 63 Subpart ZZZZ, refer to www.ecfr.gov.]

[75 FR 9678, Mar. 3, 2010]

**# 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6670]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**Who implements and enforces this subpart?**

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

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under 40 CFR part 63, subpart E, the authorities contained in paragraph (c) of this section are retained by the Administrator of the U.S. EPA and are not transferred to the State, local, or tribal agency.

(c) The authorities that will not be delegated to State, local, or tribal agencies are:

(1) Approval of alternatives to the non-opacity emission limitations and operating limitations in § 63.6600 under § 63.6(g).

(2) Approval of major alternatives to test methods under § 63.7(e)(2)(ii) and (f) and as defined in § 63.90.

(3) Approval of major alternatives to monitoring under § 63.8(f) and as defined in § 63.90.

(4) Approval of major alternatives to recordkeeping and reporting under § 63.10(f) and as defined in § 63.90.

(5) Approval of a performance test which was conducted prior to the effective date of the rule, as specified in § 63.6610(b).

**# 021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What definitions apply to this subpart?**

Terms used in this subpart are defined in the Clean Air Act (CAA); in 40 CFR 63.2, the General Provisions of this part; and in this section as follows:

[Only select definitions included in this permit. For the rest of the terminology, refer to § 63.6675 under Title 40 – Protection of Environment in www.ecfr.gov.]

AREA SOURCE means any stationary source of HAP that is not a major source as defined in part 63.

DEVIATION means any instance in which an affected source subject to this subpart, or an owner or operator of such a source:

**SECTION E. Source Group Restrictions.**

(1) Fails to meet any requirement or obligation established by this subpart, including but not limited to any emission limitation or operating limitation;
(2) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit; or
(3) Fails to meet any emission limitation or operating limitation in this subpart during malfunction, regardless or whether or not such failure is permitted by this subpart.
(4) Fails to satisfy the general duty to minimize emissions established by § 63.6(e)(1)(i).

EMERGENCY STATIONARY RICE means any stationary reciprocating internal combustion engine that meets all of the criteria in paragraphs (1) through (3) of this definition. All emergency stationary RICE must comply with the requirements specified in § 63.6640(f) in order to be considered emergency stationary RICE. If the engine does not comply with the requirements specified in § 63.6640(f), then it is not considered to be an emergency stationary RICE under this subpart.
(1) The stationary RICE is operated to provide electrical power or mechanical work during an emergency situation. Examples include stationary RICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or stationary RICE used to pump water in the case of fire or flood, etc.
(2) The stationary RICE is operated under limited circumstances for situations not included in paragraph (1) of this definition, as specified in § 63.6640(f).
(3) The stationary RICE operates as part of a financial arrangement with another entity in situations not included in paragraph (1) of this definition only as allowed in § 63.6640(f)(2)(ii) or (iii) and § 63.6640(f)(4)(i) or (ii).

ENGINE STARTUP means the time from initial start until applied load and engine and associated equipment reaches steady state or normal operation. For stationary engine with catalytic controls, engine startup means the time from initial start until applied load and engine and associated equipment, including the catalyst, reaches steady state or normal operation.

LEAN BURN ENGINE means any two-stroke or four-stroke spark ignited engine that does not meet the definition of a rich burn engine.

MAJOR SOURCE, as used in this subpart, shall have the same meaning as in § 63.2, except that:
(1) Emissions from any oil or gas exploration or production well (with its associated equipment (as defined in this section)) and emissions from any pipeline compressor station or pump station shall not be aggregated with emissions from other similar units, to determine whether such emission points or stations are major sources, even when emission points are in a contiguous area or under common control;
(2) For oil and gas production facilities, emissions from processes, operations, or equipment that are not part of the same oil and gas production facility, as defined in § 63.1271 of subpart HHH of this part, shall not be aggregated;
(3) For production field facilities, only HAP emissions from glycol dehydration units, storage vessel with the potential for flash emissions, combustion turbines and reciprocating internal combustion engines shall be aggregated for a major source determination; and
(4) Emissions from processes, operations, and equipment that are not part of the same natural gas transmission and storage facility, as defined in § 63.1271 of subpart HHH of this part, shall not be aggregated.

NATURAL GAS means a naturally occurring mixture of hydrocarbon and non-hydrocarbon gases found in geologic formations beneath the Earth's surface, of which the principal constituent is methane. Natural gas may be field or pipeline quality.

RICH BURN ENGINE means any four-stroke spark ignited engine where the manufacturer's recommended operating air/fuel ratio divided by the stoichiometric air/fuel ratio at full load conditions is less than or equal to 1.1. Engines originally manufactured as rich burn engines, but modified prior to December 19, 2002 with passive emission control technology for NOX (such as pre-combustion chambers) will be considered lean burn engines. Also, existing engines where there are no manufacturer's recommendations regarding air/fuel ratio will be considered a rich burn engine if the excess oxygen content of the exhaust at full load conditions is less than or equal to 2 percent.

SPARK IGNITION means relating to either: A gasoline-fueled engine; or any other type of engine with a spark plug (or other sparking device) and with operating characteristics significantly similar to the theoretical Otto combustion cycle. Spark ignition engines usually use a throttle to regulate intake air flow to control power during normal operation. Dual-fuel engines in which a liquid fuel (typically diesel fuel) is used for CI and gaseous fuel (typically natural gas) is used as the primary fuel

**SECTION E. Source Group Restrictions.**

at an annual average ratio of less than 2 parts diesel fuel to 100 parts total fuel on an energy equivalent basis are spark ignition engines.

STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINE (RICE) means any reciprocating 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.

STOICHIOMETRIC means the theoretical air-to-fuel ratio required for complete combustion.

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3607, Jan. 18, 2008; 75 FR 9679, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 76 FR 12867, Mar. 9, 2011; 78 FR 6706, Jan. 30, 2013]

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

## SECTION E. Source Group Restrictions.

Group Name: EMERGENCY ENGINES - NEW

Group Description: Requirements for new emergency engines

Sources included in this group

| ID | Name |
|---|---|
| 704 | EMERGENCY GENERATOR B304 (9-KW) |
| 705 | EMERGENCY GENERATOR B94 (36-KW) |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.13]**

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this process 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.

**# 002 [25 Pa. Code §123.21]**

**General**

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

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4234]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine**

Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in § 60.4233 over the entire life of the engine.

[For § 60.4233, see Section D, I. Restrictions, Emission Restriction for each source.]

### Operation Hours Restriction(s).

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

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

(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (d)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (d)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (d)(2).

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

## SECTION E. Source Group Restrictions.

(ii) - (iii) [Vacated by EPA]

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

(i) [Omit. Provisions on use of an engine to supply power as part of a financial arrangement with another entity.]

(ii) [Reserved]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37974, June 28, 2011; 78 FR 6697, Jan. 30, 2013; 86 FR 34362, June 29, 2021]

[For other provisions of § 60.4243, see VI. Work Practice Requirements for this source group.]

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4237]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

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

(a) - (b) [Not Applicable]

(c) If you are an owner or operator of an emergency stationary SI internal combustion engine that is less than 130 HP, was built on or after July 1, 2008, and does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter upon startup of your emergency engine.

### IV. RECORDKEEPING REQUIREMENTS.

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

[This recordkeeping applies to both Sources 704 & 705. Compliance with this condition assures compliance of Source 705 with § 60.4245(b).]

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?**

Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.

(a) Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.

(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.

(2) Maintenance conducted on the engine.

## SECTION E. Source Group Restrictions.

(3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 1048, 1054, and 1060, as applicable.

(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to § 60.4243(a)(2), documentation that the engine meets the emission standards.

(b) [Replaced by a recordkeeping requirement added for this source group under the authority of § 127.441.]

(c) - (e) [Not Applicable]

[73 FR 3591, Jan. 18, 2008, as amended at 73 FR 59177, Oct. 8, 2008; 78 FR 6697, Jan. 30, 2013; 81 FR 59809, Aug. 30, 2016; 86 FR 34362, June 29, 2021]

### 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.

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

(a) [See Source 704 in Section D of this permit.]

(b) [See Source 705 in Section D of this permit.]

(c) [Not Applicable]

(d) [See I. Restrictions, Operation Hours Restrictions for this source group.]

(e) [Not Applicable]

(f) [See Source 705 in Section D of this permit. Pursuant to § 60.4243(a)(2)(i), not applicable to Source 704.]

(g) [Not Applicable. Sources 704 & 705 are lean-burn engines.]

(h) - (i) [Not Applicable]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37974, June 28, 2011; 78 FR 6697, Jan. 30, 2013; 86 FR 34362, June 29, 2021]

### VII. ADDITIONAL REQUIREMENTS.

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**Am I subject to this subpart?**

(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) as specified in paragraphs (a)(1) through (6) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

(1) - (3) [Not Applicable]

(4) Owners and operators of stationary SI ICE that commence construction after June 12, 2006, where the stationary SI ICE are manufactured:

(i) - (ii) [Not Applicable]

## SECTION E. Source Group Restrictions.

(iii) on or after July 1, 2008, for engines with a maximum engine power less than 500 HP; or [For Source 704]

(iv) on or after January 1, 2009, for emergency engines with a maximum engine power greater than 19 KW (25 HP). [For Source 705]

(b) - (e) [Not Applicable]

(f) Owners and operators of facilities with internal combustion engines that are acting as temporary replacement units and that are located at a stationary source for less than 1 year and that have been properly certified as meeting the standards that would be applicable to such engine under the appropriate nonroad engine provisions, are not required to meet any other provisions under this subpart with regard to such engines.

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37972, June 28, 2011; 86 FR 34360, June 29, 2021]

**# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4236]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What is the deadline for importing or installing stationary SI ICE produced in the previous model year?**

(a) - (b) [Not Applicable]

(c) For emergency stationary SI ICE with a maximum engine power of greater than 19 KW (25 HP), owners and operators may not install engines that do not meet the applicable requirements in § 60.4233 after January 1, 2011.

(d) - (e) [Not Applicable]

**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4246]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What parts of the General Provisions apply to me?**

Table 3 to this subpart shows which parts of the General Provisions in §§ 60.1 through 60.19 apply to you.

[For Table 3 to § 60 Subpart JJJJ, refer to www.ecfr.gov.]

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4248]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What definitions apply to this subpart?**

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

[Only select definitions included in this permit. For the rest of the terminology, refer to § 60.4248 under Title 40 – Protection of Environment in www.ecfr.gov.]

CERTIFIED STATIONARY INTERNAL COMBUSTION ENGINE means an engine that belongs to an engine family that has a certificate of conformity that complies with the emission standards and requirements in this part, or of 40 CFR part 1048 or 1054, as appropriate.

EMERGENCY STATIONARY INTERNAL COMBUSTION ENGINE means any stationary reciprocating internal combustion engine that meets all of the criteria in paragraphs (1) through (3) of this definition. All emergency stationary ICE must comply with the requirements specified in § 60.4243(d) in order to be considered emergency stationary ICE. If the engine does not comply with the requirements specified in § 60.4243(d), then it is not considered to be an emergency stationary ICE under this subpart.

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

(2) The stationary ICE is operated under limited circumstances for situations not included in paragraph (1) of this definition, as specified in § 60.4243(d).

(3) The stationary ICE operates as part of a financial arrangement with another entity in situations not included in paragraph (1) of this definition only as allowed in § 60.4243(d)(2)(ii) or (iii) and § 60.4243(d)(3)(i).

## SECTION E. Source Group Restrictions.

LEAN BURN ENGINE means any two-stroke or four-stroke spark ignited engine that does not meet the definition of a rich burn engine.

MODEL YEAR means the calendar year in which an engine is manufactured (see “date of manufacture”), except as follows:
(1) Model year means the annual new model production period of the engine manufacturer in which an engine is manufactured (see “date of manufacture”), if the annual new model production period is different than the calendar year and includes January 1 of the calendar year for which the model year is named. It may not begin before January 2 of the previous calendar year and it must end by December 31 of the named calendar year.
(2) For an engine that is converted to a stationary engine after being placed into service as a nonroad or other non-stationary engine, model year means the calendar year or new model production period in which the engine was manufactured (see “date of manufacture”).

NATURAL GAS means a naturally occurring mixture of hydrocarbon and non-hydrocarbon gases found in geologic formations beneath the Earth's surface, of which the principal constituent is methane. Natural gas may be field or pipeline quality.

PIPELINE-QUALITY NATURAL GAS means a naturally occurring fluid mixture of hydrocarbons (e.g., methane, ethane, or propane) produced in geological formations beneath the Earth's surface that maintains a gaseous state at standard atmospheric temperature and pressure under ordinary conditions, and which is provided by a supplier through a pipeline. Pipeline-quality natural gas must either be composed of at least 70 percent methane by volume or have a gross calorific value between 950 and 1,100 British thermal units per standard cubic foot.

RICH BURN ENGINE means any four-stroke spark ignited engine where the manufacturer's recommended operating air/fuel ratio divided by the stoichiometric air/fuel ratio at full load conditions is less than or equal to 1.1. Engines originally manufactured as rich burn engines, but modified prior to June 12, 2006, with passive emission control technology for NOX (such as pre-combustion chambers) will be considered lean burn engines. Also, existing engines where there are no manufacturer's recommendations regarding air/fuel ratio will be considered a rich burn engine if the excess oxygen content of the exhaust at full load conditions is less than or equal to 2 percent.

SPARK IGNITION means relating to either: a gasoline-fueled engine; or any other type of engine with a spark plug (or other sparking device) and with operating characteristics significantly similar to the theoretical Otto combustion cycle. Spark ignition engines usually use a throttle to regulate intake air flow to control power during normal operation. Dual-fuel engines in which a liquid fuel (typically diesel fuel) is used for compression ignition and gaseous fuel (typically natural gas) is used as the primary fuel at an annual average ratio of less than 2 parts diesel fuel to 100 parts total fuel on an energy equivalent basis are spark ignition engines.

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

STOICHIOMETRIC means the theoretical air-to-fuel ratio required for complete combustion.

[73 FR 3591, Jan. 18, 2008, as amended at 73 FR 59177, Oct. 8, 2008; 76 FR 37974, June 28, 2011; 78 FR 6698, Jan. 30, 2013; 86 FR 34363, June 29, 2021]

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

## SECTION E. Source Group Restrictions.

Group Name: EXCESS AIR OVENS

Group Description: Requirements for the excess air ovens

Sources included in this group

| ID | Name |
|---|---|
| 406 | EXCESS AIR OVENS #1 AND #2 |
| 406A | EXCESS AIR OVENS 3 & 4 |
| 406B | EXCESS AIR OVENS 5 & 6 |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.13]**

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this process not listed 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.

**# 002 [25 Pa. Code §123.21]**

**General**

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 24-083W]

The facility shall monitor the following for the SO2 Scrubber:

1. Pressure drop accross the scrubber - daily
2. Scrubber gas flow rate - daily
3. Scrubber liquid pressure or scrubber liquid flow rate - daily
4. Scrubber liquid pH - continuously
5. Scrubber outlet gas temperature - daily
6. Thermal oxidizer exhaust temperature - continuously

### IV. RECORDKEEPING REQUIREMENTS.

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 24-083W]
(a) The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problems or defects, and any routine maintenance performed.

[Plan Approval 24-083W]
(b) The permittee shall maintain a record of all incidences of emissions from these source(s) during periods of malfunction. These records shall, at a minimum, contain the date, time, and duration of the release, the reason for the release, and any corrective action(s) taken.

## SECTION E. Source Group Restrictions.

[Plan Approval 24-083W]
(c) The permittee shall maintain records of the operational inspections. These records shall, at a minimum, contain the following:
1. Pressure drop accross the scrubber - daily
2. Scrubber gas flow rate - daily
3. Scrubber liquid pressure or scrubber liquid flow rate - daily
4. Scrubber liquid pH - continuously
5. Scrubber outlet gas temperature - daily
6. Thermal oxidizer exhaust temperature - continuously

[Plan Approval 24-083W]
(d) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). The permittee shall also record the dates, times and durations, probable causes and corrective actions taken for the incidents.

[Plan Approval 24-083W]
(e) 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.

[Plan Approval 24-083W]
(f) The permittee shall record all inspections, repairs, and maintenance performed on the monitoring equipment.

[Plan Approval 24-083W]
(g) All records shall be kept for a period of five (5) years and shall be made available to the Department upon request.

**# 005 [25 Pa. Code §127.511]**

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

The permittee shall maintain a record of all preventive maintenance inspections of the thermal oxidizer. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problem or defects, any routine maintenance performed, and the exhaust temperature of the thermal oxidizer.

### V. REPORTING REQUIREMENTS.

**# 006 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 24-083W]
(a) The permittee shall report all excursions and corrective actions taken, the dates, times, durations and probable causes, every six (6) months.

[Plan Approval 24-083W]
(b) The permittee shall report all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable), their dates, times and durations, probable causes and corrective actions taken, every six (6) months.

[Plan Approval 24-083W]
(c) The permittee shall report the following information to the Department every six (6) months:
1. Summary information on the number, duration and cause (including unknown cause, if applicable) of all incidences of emissions from these source (s) during periods of malfunction, and the corrective actions taken.
2. Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable).

### VI. WORK PRACTICE REQUIREMENTS.

**# 007 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The permittee shall operate the thermal oxidizer when the oven temperature is between 200°C and 600°C .

[Compliance with the requirement in this streamlined permit condition assures compliance with the provisions found in PA 24-301-013, Condition # 5]

## SECTION E. Source Group Restrictions.

**# 008 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 24-083W]

(a) The permittee shall perform a daily operational inspection of the source and control device(s). This inspection shall, at a minimum, include the following:
1. A check for the presence or absence of visible emissions, via US EPA Method 22-like methods. If visible emissions are observed, the permittee shall take corrective action and record the actions taken. If no visible emissions are observed, no action is required.

(b) The permittee shall install, maintain, and operate the source and control device(s) in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

(c) Except for periods of malfunction, the scrubber shall be operated at all times when source reaches 200 degrees Celsius.

(d) Scrubber operating parameters, including pH and pressure drop shall be operated in a range defined by the manufacturer, or in a range developped during compliant stack testing. The operating range for pH and scrubber pressure drop shall be determined within 90 days after startup of the scrubber, and shall be indicated to the Department in writing prior to administratively amending into the facility operating permit.The permittee shall install, maintain, and operate instrumentation sufficient to measure the scrubber slurry pH, scrubber slurry pressure drop (or flow rate). All gauges employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (+/- 2%) of full scale reading. Indicator(s) shall be mounted in accessible areas, and shall be maintained in good operating conditions at all times.

**# 009 [25 Pa. Code §127.511]**

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

(a) The permittee shall perform a weekly preventative maintenance inspection of the thermal oxidizer.

(b) The permittee shall maintain and operate this source and the thermal oxidizer in accordance with good air pollution control practices.

## VII. ADDITIONAL REQUIREMENTS.

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

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

## SECTION E. Source Group Restrictions.

Group Name: KILNS - PA 24-083D,E,F,G,I,L

Group Description: Kilns authorized through PA 24-083D, E, F, G, I, & L

Sources included in this group

| ID | Name |
|---|---|
| 1003 | CARBON BAKING KILN # 36 |
| 1004 | CARBON BAKING KILN # 37 |
| 145 | CBH KILN #29 |
| 146 | CBH KILN #30 |
| 147 | CBH KILN #31 |
| 148 | CBH KILN #32 |
| 402 | CARBOTTOM KILN #1 |
| 403 | CARBOTTOM KILN #2 |
| 403A | CARBOTTOM KILN #3 |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The SO2 emissions in this group from Scrubber A&C were replaced by the SO2 emission limits for "New Scrubber A" Group in plan approval 24-083AA.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 002 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) The thermal oxidizer shall turn on whenever the kiln temperature exceeds 200°C. This is the pitch-off cycle for the furnace. The thermal oxidizer shall operate at temperatures no less than 750°C whenever the kiln temperature increases above 250°C and until the kiln temperature exceeds 600°C.

(b) With regards to the thermal oxidizer temperature being continuously monitored and recorded, the data acquistion system should be designed to take, at a minimum, one minute averages. During periods when the data acquisition system is not operating properly or when the data is lost, compliance with the continuous monitoring and recording of the thermal oxidizer temperature will be shown by taking manual readings at least once every 15 minutes.

[PA 24-083D, Condition #8]

## SECTION E. Source Group Restrictions.

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) The scrubber shall be operated, at a minimum, from the beginning of the pitch-off cycle, and until the period in which the kiln is cooled by water injection at the end of a cycle.

[PA 24-083D, E, F, G, I, & L]

### 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: KILNS - PA 24-083L

Group Description: Kilns authorized through PA 24-083L

Sources included in this group

| ID | Name |
|---|---|
| 1003 | CARBON BAKING KILN # 36 |
| 1004 | CARBON BAKING KILN # 37 |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.13]**

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this process not listed 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.

### Fuel Restriction(s).

**# 002 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The permittee shall use only natural gas as a fuel for this source.

[PA 24-083L]

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) The permittee shall maintain a record of all preventative maintenance inspections of the control device. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problems or defects, and any routine maintenance performed.

(b) The permittee shall maintain records of the operational inspections. These records shall, at a minimum, contain the following:

(1) - (5) [These parameters are included in Group "New Scrubber A"]
(6) Thermal oxidizer exhaust temperature

(c) The permittee shall keep a record of the emissions of sulfur dioxide to demonstrate compliance with PA 24-083L, Condition #002(b)(3) (i.e., incorporated as Condition #001(a)(3) of Source Grouo KILNS - PA 24-083D,E,F,G,I,L in Section E of this permit).

[PA 24-083L]

### V. REPORTING REQUIREMENTS.

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

## SECTION E. Source Group Restrictions.

### VI. WORK PRACTICE REQUIREMENTS.

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) The permittee shall perform a weekly operational inspection of the control device.

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

[PA 24-083L]

### 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: KILNS - PA 24-083O

Group Description: Kilns authorized through PA 24-083O

Sources included in this group

| ID | Name |
|---|---|
| 1001 | CARBON BAKING KILN #35 |
| 134 | CBH KILN #34 |
| 144 | CBH KILN #27 |
| 149 | CBH KILN #33 |
| 403B | CARBOTTOM KILN #4 |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) Combined SO2 emissions from Carbottom Kiln #4 and CBH Kilns #27, 33, 34 & 35 shall not exceed the following, as measured from the scrubber stack:

(1) Instantaneous SO2 emissions, based on a 3-hour average from the scrubber stack, shall not exceed 500 ppm(v), dry basis. The ppm(v) wet basis may be substituted; however, the effluent moisture concentration from the scrubber stack must be determined during stack testing.

(2) SO2 emissions, calculated as a 30-day rolling average from the scrubber stack, shall not exceed 7.4 lb/hr.

(3) Annual SO2 emissions, calculated as a 12-month rolling total of hourly averages from the scrubber stack, shall not exceed 15.0 tpy.

(b) Compliance with the above SO2 emission limits shall be demonstrated through stack testing and through the installation of a Department-approved SO2 continuous emission monitoring system (CEMS).

(c) No person may permit the emission into the outdoor atmosphere of sulfur oxides from the Kiln "Clean Air Stack" in a manner that the concentration of sulfur oxides, expressed as SO2, in the effluent gas exceeds 500 ppmv, dry basis.

[PA 24-083O, Condition #006]

### Fuel Restriction(s).

**# 002 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The permittee shall use only natural gas as a fuel for this source.

[PA 24-083O, Condition #007]

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) The company shall install, operate, and maintain a continuous emission monitor for sulfur dioxide on the scrubber stack.

(b) The sulfur dioxide continuous emission monitoring system required by this plan approval must be approved by the Department. The sulfur dioxide continuous emission monitoring system shall be installed, operated, and maintained in

## SECTION E. Source Group Restrictions.

accordance with the requirements of Chapter 139 of the Rules and Regulations of the Pennsylvania Department of Environmental Protection. [Phase I section, which is on initial application for CEMS, of the Department's Continuous Source Monitoring Manual (CSMM) is a one-time requirement & has been met.]

(c) - (d) [Omitted. Phase II & Phase III sections, which are on performance testing & final approval, respectively, the Department's CSMM are one-time requirements & have been met.]

(e) All of the continuous emission monitoring system installed in order to comply with the requirements of this plan approval shall be maintained and operated to achieve the following data availability requirements.

(1) Equal to or greater than 90% of the valid hours in a calendar month; or

(2) Equal to or greater than 95% of the valid hours in a calendar quarter.

A valid hour is defined as an hour where the number of valid readings is equal to or greater than 75% of the minutes in the hour (45 minutes per hour).

[PA 24-083O, Condition #009]

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The permittee shall monitor the following a minimum of once per day:

(a) Pressure drop across the scrubber.

(b) Scrubber gas flow rate.

(c) Scrubber liquid pressure and flow rate.

(d) Scrubber liquid pH.

(e) Outlet gas temperature.

[PA 24-083O, Condition #010]

### IV. RECORDKEEPING REQUIREMENTS.

**# 005 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) Sufficient data shall be recorded, in a format approved by the Department, so that compliance with the conditions in this Plan Approval can be determined. Recordkeeping shall commence at the time of the start-up of each source and/or air cleaning device. All required records shall be maintained on site for a minimum of five (5) years, and shall be made available to Department personnel upon request.

(b) The permittee shall maintain a record of all preventative maintenance inspections of the control device. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problems or defects, and any routine maintenance performed.

(c) The permittee shall maintain records of the operational inspections. These records shall, at a minimum, contain the following:

(1) Pressure drop across the scrubber.

(2) Scrubber gas flow rate.

(3) Scrubber liquid pressure and flow rate.

(4) Scrubber liquid pH.

## SECTION E. Source Group Restrictions.

(5) Outlet gas temperature.

(d) The permittee shall maintain monthly records of the weight of product produced by Carbottom Kiln #4.

(e) The permittee shall keep a record of the emissions of sulfur dioxide to demonstrate compliance with this Plan Approval.

[PA 24-083O, Condition #011]

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 006 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) The permittee shall perform a weekly operational inspection of the control device.

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

(c) The thermal oxidizer shall be operated, at a minimum, during the pitch-off cycle. The pitch-off cycle is defined as the period during a cycle in which kiln temperatures are increasing from 200°C - 600°C.

(d) The thermal oxidizer shall operate at a temperature not less than 750°C (1,380°F) during the pitch-off cycle of the kiln. Thermal oxidizer temperature shall be continuously monitored and recorded during the pitch-off cycle.

(e) The scrubber shall be operated, at a minimum, from the beginning of the pitch-off cycle until the period in which the kiln is cooled by water-injection at the end of a cycle.

(f) Scrubber operating parameters, including pH and pressure drop, shall be operated in a range defined by the manufacturer, or in a range developed during compliant stack testing. Pressure drop and pH meters shall be mounted in accessible areas, and shall be maintained in good operating conditions at all times.

[PA 24-083O, Condition #012]

### 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: KILNS - STATE PM, TEMP MONITOR

Group Description: General requirements for kilns - § 123.13, temperature monitoring

Sources included in this group

| ID | Name |
|---|---|
| 1001 | CARBON BAKING KILN #35 |
| 134 | CBH KILN #34 |
| 144 | CBH KILN #27 |
| 149 | CBH KILN #33 |
| 403B | CARBOTTOM KILN #4 |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.13]**

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this process not listed 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.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 002 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

With regards to the thermal oxidizer temperature being continuously monitored and recorded, the data acquisition system should be designed to take, at a minimum, one minute averages. During periods when the data acquisition system is not operating properly or when the data is lost, compliance with the continuous monitoring and recording of the thermal oxidizer temperature will be shown by taking manual readings at least once every 15 minutes.

### 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: KILNS - STATE PM, TEMP MONITOR, PMI

Group Description: General requirements for kilns - § 123.13, temperature monitoring, weekly PMI

Sources included in this group

| ID | Name |
|---|---|
| 145 | CBH KILN #29 |
| 146 | CBH KILN #30 |
| 147 | CBH KILN #31 |
| 148 | CBH KILN #32 |
| 402 | CARBOTTOM KILN #1 |
| 403 | CARBOTTOM KILN #2 |
| 403A | CARBOTTOM KILN #3 |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.13]**

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this process not listed 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.

### Fuel Restriction(s).

**# 002 [25 Pa. Code §127.511]**

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

The permittee shall use only natural gas as a fuel for this source.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The permittee shall record continuously combustion chamber temperature (i.e., of the thermal oxidizer) whenever the thermal oxidizer is in operation and kept at the facility for inspection for a period of time not less than five years and be made available to the Department upon request.

[For Source 148, PA 24-313-137 Condition #6. Compliance with this condition assures compliance with: PA 24-313-134, Condition #6 for Sources 145 & 146; PA 24-313-136, Condition #6 for Source 147; PA 24-313-088D, Condition #7 for Source 402; PA 24-313-088A for Source 403; PA 24-313-088B for Source 403A.]

**# 004 [25 Pa. Code §127.511]**

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

The permittee shall maintain a record of all preventive maintenance inspections of the thermal oxidizer. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problems or defects, any maintenance performed, and the exhaust temperature of the thermal oxidizer.

## 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.

**# 005 [25 Pa. Code §127.511]**

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

(a) The permittee shall perform a weekly preventive maintenance inspection of the thermal oxidizer.

(b) The permittee shall maintain and operate the source, the control device, and the temperature thermocouple recorder in accordance with good air pollution control practices.

### VII. ADDITIONAL REQUIREMENTS.

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

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

## SECTION E. Source Group Restrictions.

Group Name: MACHINING

Group Description: Requirement for machining operations

Sources included in this group

| ID | Name |
|---|---|
| 414 | GRAPHITE MACHINING 1 (LATHE) |
| 415 | GRAPHITE MACHINING 2 (LATHE) |
| 416 | GRAPHITE MACHINING 3 (LATHE) |
| 417 | GRAPHITE MACHINING 4 (LATHE) |
| 419 | GRAPHITE MACHINING 6 (SRD GRINDER) |
| 420 | GRAPHITE MACHINING 7 (SAWS & GRINDER) |
| 421 | GRAPHITE MACHINING 8 (GRINDERS-6) |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 Elective Restriction**

No person may permit the emission into the outdoor atmosphere of particulate matter from this process at any time, either in excess of the rate in such a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grains per dry standard cubic feet.

[Compliance with the requirement in this streamlined permit condition assures compliance with the provisions found in 25 Pa. Code § 123.13]

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

**# 002 [25 Pa. Code §127.511]**

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

The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problems or defects, and any maintenance performed.

[The condition above applies for all sources in this source group except for Source 414. For Source 414, see Section D.]

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The permittee shall maintain sufficient bags onsite, or have immediate access to replacement bags,in the event of bag failure. A system shall not be operated while the respective baghouse is not operating.

[PA 24-083B, Condition # 8]

## SECTION E. Source Group Restrictions.

**# 004 [25 Pa. Code §127.511]**

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

(a) The permittee shall perform a weekly preventive maintenance inspection of the control device.

(b) The permittee shall maintain and operate this source and the control device in accordance with the manufacturer's specifications and good air pollution control practices.

### VII. ADDITIONAL REQUIREMENTS.

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

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

## SECTION E. Source Group Restrictions.

Group Name: NEW SCRUBBER A

Group Description: Applicable requirements for "New Scrubber A" (Control ID C501A)

Sources included in this group

| ID | Name |
|---|---|
| 1003 | CARBON BAKING KILN # 36 |
| 1004 | CARBON BAKING KILN # 37 |
| 145 | CBH KILN #29 |
| 146 | CBH KILN #30 |
| 147 | CBH KILN #31 |
| 148 | CBH KILN #32 |
| 402 | CARBOTTOM KILN #1 |
| 403 | CARBOTTOM KILN #2 |
| 403A | CARBOTTOM KILN #3 |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083AA]

(a) Combined SO2 emissions from the stack exiting scrubber C501A shall not exceed the following:

1. Instantaneous SO2 emissions, based on a 3-hour rolling average from the scrubber stack, shall not exceed 500 ppm(v), dry basis.

2. SO2 emissions, calculated as a 30-day rolling average from the scrubber stack, shall not exceed 13.5 lb/hr.

3. Annual SO2 emissions, calculated as a 12-month rolling total of hourly averages from the scrubber stack, shall not exceed 41.5 tpy.

(b) Compliance with the above SO2 emission limits shall be demonstrated through initial stack testing and through the operation of a Department approved SO2 continuous emission monitor (CEM).

### II. TESTING REQUIREMENTS.

**# 002 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083AA]

(a) Initial Application (Phase I): Proposal[s] containing information as listed in the Phase I section of the Department's Continuous Source Monitoring Manual for the CEMS[s] must be submitted at least 180 days prior to the planned initial source startup date.

(b) Performance Testing (Phase II): Testing as listed in the Phase II section of the Department's Continuous Source Monitoring Manual must be completed for the CEMS no later than 180 days after initial source startup date and no later than 60 days after source achieves normal process capacity.

(c) Final Approval (Phase III): The final report of testing as listed in the Phase III section of the Department's Continuous Source Monitoring Manual must be submitted to the Bureau no later than 60 days after completion of testing.

(d) The owner or operator of the source shall not be issued an operating permit until the CEMS has received Phase III approval, in writing from the Department, when installation of a CEMS is made a condition of the plan approval. Until Phase III Department approval is obtained, operation shall be covered solely under condition of a plan approval.

## SECTION E. Source Group Restrictions.

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083AA]

a) Within 90 days of startup of the control device, a stack test for SO2 shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection, to determine compliance with the ppm and lb/hr emisssion limits of this Plan Approval. The stack test shall be performed while the subject source(s) are operating at maximum normal operating conditions.

(b) The stack tests shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department to demonstrate compliance with the emission limits for this source. Appropriate U.S. EPA Reference Methods shall be used to determine the emission rates of all pollutants. Testing shall occur when the subject source(s) are operating at maximum normal operating conditions.

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

(d) If the results of a stack test, performed as required by this approval, exceed the level specified in any condition of this plan approval, the Permitee shall take appropriate corrective actions. Within 30 days of the Permitee receiving the stack test results, a written description of the corrective actions shall be submitted to the Department. The Permitee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the Permitee within 30 days, if the corrective actions taken are deficient. Within 30 days of receipt of the notice of deficiency, the Permitee shall submit a description of additional corrective actions to the Department. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(e) If the results of the required stack test exceed any limit defined in this plan approval, the test was not performed in accordance with the stack test protocol or the source and/or air cleaning device was not operated in accordance with the plan approval, then another stack test shall be performed to determine compliance w ithin 120 days of the Permitee receiving the original stack test results. The Department may extend the retesting deadline if the Permitee demonstrates, to the Department's satisfaction, that retesting within 120 days is not practicable. Failure of the second test to demonstrate compliance with the limits in the plan approval, not performing the test in accordance with the stack test protocol or not operating the source and/or air cleaning device in accordance with the plan approval may be grounds for immediate revocation of the plan approval to operate the affected source.

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083AA]

Source test submittals shall be as follows:

(1) At least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval in accordance with paragraph (8) of this condition. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(2) 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 Department in accordance with paragraph (8)(B) of this condition. Notification shall not be made
without prior receipt of a protocol acceptance letter from the Department (Source Testing Section).

(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 indicating the completion date of the on-site testing shall be sent to the Department in accordance with paragraph (8)(B) of this condition.

(4) A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the onsite testing portion of an emission test program.

## SECTION E. Source Group Restrictions.

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

(A) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.

(B) Permit number(s) and condition(s) which are the basis for the evaluation.

(C) Summary of results with respect to each applicable permit condition.

(D) Statement of compliance or non-compliance with each applicable permit condition.

(6) All submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

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

(8)

(A) 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.

(B) If internet submittal cannot be accomplished, one paper copy plus one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) shall be sent to both PSIMS Administration in Central Office and to Regional Office AQ Program Manager.

Paper copies shall be sent using the following mailing addresses:

CENTRAL OFFICE:
Pennsylvania Department of Environmental Protection
Attn: PSIMS Administrator
P.O. Box 8468
Harrisburg, PA 17105-8468

NORTHWEST REGIONAL OFFICE:
Pennsylvania Department of Environmental Protection
Attn: Air Quality Program Manager
230 Chestnut St.
Meadville, PA 16335

Electronic copies shall be sent at the following e-mail addresses:

CENTRAL OFFICE:
RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:
RA-EPNWstacktesting@pa.gov

## III. MONITORING REQUIREMENTS.

**# 005 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083AA]

(a) The company shall install, operate, and maintain a continuous emission monitor for sulfur dioxide on the scrubber stack.

## SECTION E. Source Group Restrictions.

(b) The sulfur dioxide continuous emission monitoring system required by this plan approval must be approved by the Department. The sulfur dioxide continuous emission monitoring system shall be installed, operated, and maintained in accordance with the requirements of Chapter 139 of the Rules and Regulations of the Pennsylvania Department of Environmental Protection. Proposals containing the information as listed in Phase I section of the Department's Continuous Source Monitoring Manual for the continuous emission monitoring system must be submitted at least 3 months prior to the start-up of each source that is required to install continuous emission monitoring systems.

(c) Testing as listed in the Phase II section of the Department's Continuous Source Monitoring Manual must be completed for the CEMs no later than 180 days after initial source start-up date and no later than 60 days after the source achieves normal process capacity.

(d) The final report as listed in the Phase III section of the Department's Continuous Source Monitoring Manual must be submitted no later than 60 days after the completion of testing.

(e) All of the continuous emission monitoring system installed in order to comply with the requirements of this plan approval shall be maintained and operated to achieve the following data availability requirements.

(i) equal to or greater than 90% of the valid hours in a calendar month or
(ii) equal to or greater than 95% of the valid hours in a calendar quarter.

A valid hour is defined as an hour where the number of valid readings is equal to or greater than 75% of the minutes in the hour (45 minutes per hour).

**# 006 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083AA]

The permittee shall monitor the following a minimum of once per day:

1. Pressure drop across the scrubber
2. Scrubber gas flow rate
3. Scrubber liquid pressure and flow rate
4. Scrubber liquid pH
5. Outlet gas temperature

### IV. RECORDKEEPING REQUIREMENTS.

**# 007 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083AA]

(a) The permittee shall maintain a record of all preventative maintenance inspections of the control device. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problems or defects, and any routine maintenance performed.

(b) The permittee shall maintain records of the operational inspections. These records shall, at a minimum, contain the following:

1. Pressure drop across the scrubber
2. Scrubber gas flow rate
3. Scrubber liquid pressure and flow rate
4. Scrubber liquid pH
5. Outlet gas temperature

(c) The permittee shall keep a record of the emissions of sulfur dioxide to demonstrate compliance with this Plan Approval.

## 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.

**# 008 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083AA]

(a) The permittee shall perform a weekly operational inspection of the control device.

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

(c) Scrubber operating parameters, including pH and pressure drop shall be operated in a range defined by the manufacturer, or in a range developed during compliant stack testing. Pressure drop and pH meters shall be mounted in accessible areas, and shall be maintained in good operating conditions at all times.

### 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: PA 24-083J

Group Description: PA 24-083J requirements for Sources 428 & 429

Sources included in this group

| ID | Name |
|---|---|
| 428 | PITCH COKE,CRUSHER,BLENDER,10 VACUUM HOSES & 1 WEIGH STATION |
| 429 | SCREENS, #1 TO #8 (8) |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The filterable Particulate Matter (FPM) emissions from the source shall not exceed 0.01 gr/dscf.

[PA 24-083J]

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

**# 002 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

A magnehelic gauge (or equivalent) shall be permanently installed and maintained at a conveniently readable location to indicate the pressure drop across the baghouse control device associated with the source. The gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (±2%) of full scale reading.

[PA 24-083J]

### IV. RECORDKEEPING REQUIREMENTS.

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The facility shall maintain records of all preventive maintenance inspections of the control device associated with the source.

[PA 24-083J]

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The facility shall operate the baghouse control device whenever the source is in operation. The company shall operate and maintain the source and baghouse in accordance with the manufacturer's specifications.

[Plan Approval 24-083J]

**# 005 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The facility shall perform preventative maintenance inspections of the control device on a calendar semi-annual basis.

[PA 24-083J]

## SECTION E. Source Group Restrictions.

**# 006 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The pressure drop range across the collectors shall be developed during shakedown.

[The approved pressure drop range for Sources 428 and 429 were submitted to the Department and hereby approved. The ranges are as follows:

Source 428 - Crusher / Blender: 2.0 to 7.0 inches
Source 429 - Screeners: 0.1 to 2.0 inches]

[PA 24-083J]

### 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: PA 24-083S

Group Description: PA 24-083S requirements for Source 129

Sources included in this group

| ID | Name |
|---|---|
| 129 | LANLY OVEN & CARBON MIXERS |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) No person may permit the emission into the outdoor atmosphere of particulate matter from these sources in a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grain per dry standard cubic foot.

(b) No person may permit the emission into the outdoor atmosphere of VOC from these sources in a manner that the emission rate exceeds 4.2 lbs/hr.

(c) No person may permit the emission into the outdoor atmosphere of sulfur oxides (SO2) from these sources in a manner that the emission rate exceeds 8.0 lbs/hr.

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

(1) Equal to or greater than 10% for a period or periods aggregating more than 3 minutes in any hour.

(2) Equal to or greater than 30% at any time.

[PA 24-083S]

### II. TESTING REQUIREMENTS.

**# 002 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) Stack tests for PM, VOC, and SO2 shall be performed simultaneously while the aforementioned source(s) is/are operating at the maximum or normal rated capacity as stated on the application.

(b) The stack tests shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department to demonstrate compliance with the emission limits for this source. Appropriate U.S. EPA Reference Methods shall be used to determine the concentrations of particulate matter, VOCs, and sulfur dioxide.

(c) - (j) [Replaced by the latest instructions on source test submittals. See Source Group SOURCE TEST SUBMITTALS in Section E of this permit.]

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

(l) If the results of a stack test, performed as required by this approval, exceed the level specified in any condition of this approval, the Permitee shall take appropriate corrective actions. Within 30 days of the Permitee receiving the stack test results, a written description of the corrective actions shall be submitted to the Department. The Permitee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the Permitee within 30 days, if the corrective actions taken are deficient. Within 30 days of receipt of the notice of deficiency, the Permitee shall submit a description of additional corrective actions to the Department. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

## SECTION E. Source Group Restrictions.

(m) If the results of the required stack test exceed any limit defined in this plan approval, the test was not performed in accordance with the stack test protocol or the source and/or air cleaning device was not operated in accordance with the plan approval, then another stack test shall be performed to determine compliance. Within 120 days of the Permitee receiving the original stack test results, a retest shall be performed. The Department may extend the retesting deadline if the Permitee demonstrates, to the Department's satisfaction, that retesting within 120 days is not practicable. Failure of the second test to demonstrate compliance with the limits in the plan approval, not performing the test in accordance with the stack test protocol or not operating the source and/or air cleaning device in accordance with the plan approval may be grounds for immediate revocation of the plan approval to operate the affected source.

(n) Once every five (5) years and not more than sixty (60) months after the previous stack test, a stack test shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as stated on the application. The stack test shall be conducted for PM, VOC, and SO2 at the outlet of the SO2 Scrubber (C1101B). The testing shall be conducted in accordance with parts (a)-(m) above.

[PA 24-083S]

### III. MONITORING REQUIREMENTS.

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) The facility shall monitor the following for the RTO:

(1) Combustion Chamber temperature: Continuously

(b) The facility shall monitor the following for the SO2 Scrubber:

(1) Scrubber gas flow rate: Daily

(2) Scrubber liquid pressure or scrubber liquid flow rate: Daily

(3) Scrubber liquid pH: Continuously

(4) Scrubber pressure drop: Daily

(5) Scrubber outlet gas temperature: Daily

[PA 24-083S]

### IV. RECORDKEEPING REQUIREMENTS.

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) The permittee shall maintain a record of all preventive maintenance inspections of the control device(s). The records of the maintenance inspections shall include, at a minimum, the dates of the inspections, the name of the person performing the inspection, any problems or defects identified, any actions taken to correct the problems or defects, and any routine maintenance performed.

(b) The permittee shall record the following operational data from the control device(s) (these records may be done with strip charts recorders, data acquisition systems, or manual log entries):

(1) RTO combustion chamber temperature: Continuously

(2) Scrubber gas flow rate: Daily

(3) Scrubber liquid pressure or scrubber liquid flow rate: Daily

(4) Scrubber liquid pH: Continuously

## SECTION E. Source Group Restrictions.

(5) Scrubber pressure drop: Daily

(6) Scrubber outlet gas temperature: Daily

(c) 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.

(d) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). The permittee shall also record the dates, times and durations, probable causes and corrective actions taken for the incidents.

(e) The permittee shall record all inspections, repairs, and maintenance performed on the monitoring equipment.

(f) All records shall be kept for a period of five (5) years and shall be made available to the Department upon request.

[PA 24-083S]

### V. REPORTING REQUIREMENTS.

**# 005 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

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

(b) The permittee shall report all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable), their dates, times and durations, probable causes and corrective actions taken, every six (6) months.

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

(1) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken.

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

[PA 24-083S]

### VI. WORK PRACTICE REQUIREMENTS.

**# 006 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) The permittee shall perform a daily operational inspection of the control device(s).

(b) All gauges employed by the permittee to monitor the required RTO and SO2 Scrubber operating parameters shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (+/- 2%) of full scale reading. All monitored gauges shall be mounted in accessible areas, and shall be maintained in good operating conditions at all times.

(c) The permittee shall operate the control device(s) at all times that the source is in operation.

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

(e) The permittee shall adhere to the approved indicator range for the RTO and SO2 Scrubber so that operation within the range shall provide reasonable assurance of compliance. A departure from the specified indicator range over a specified averaging period shall be defined as an excursion. The approved indicator range for the following shall be determined during the initial performance test or any subsequently approved performance tests unless otherwise stated:

**SECTION E. Source Group Restrictions.**

(1) Minimum RTO combustion chamber temperature of 1,500°F.

(2) Minimum Scrubber gas flow rate [6500 acfm].

(3) Minimum Scrubber liquid pressure or minimum scrubber liquid flow rate [600 GPM].

(4) Scrubber liquid pH range [4.0 - 8.0].

(5) Scrubber pressure drop range [0.5 to 5.0 inches of water column].

(6) Minimum Scrubber outlet gas temperature [60°F].

(f) The permittee shall perform monthly external inspections of the control system and annual internal inspections of the RTO and SO2 Scrubber. An excursion is defined as a failure to perform and record the monthly external or annual internal inspections.

(g) Response to excursions or exceedances.

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

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

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

[PA 24-083S]

## 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: SOURCE TEST SUBMITTALS

Group Description: Conditions for all source test submittals (Source Testing Section, August 17, 2018)

Sources included in this group

| ID | Name |
|---|---|
| 129 | LANLY OVEN & CARBON MIXERS |
| 428 | PITCH COKE,CRUSHER,BLENDER,10 VACUUM HOSES & 1 WEIGH STATION |

### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

**# 001 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source test submittals shall be as follows:

(1) At least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval in accordance with paragraph (7) of this condition. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(2) 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 Department in accordance with paragraph (7)(B) of this condition. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department (Source Testing Section).

(3) A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the onsite testing portion of an emission test program.

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

(A) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.

(B) Permit number(s) and condition(s) which are the basis for the evaluation.

(C) Summary of results with respect to each applicable permit condition.

(D) Statement of compliance or non-compliance with each applicable permit condition.

(5) All submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

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

(7)

(A) 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.

(B) If internet submittal cannot be accomplished, one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) shall be sent to both PSIMS Administration in Central Office and to Regional Office AQ Program Manager. Electronic copies shall be sent at the following e-mail addresses:

CENTRAL OFFICE:
RA-EPstacktesting@pa.gov

## SECTION E. Source Group Restrictions.

NORTHWEST REGIONAL OFFICE:
RA-EPNWstacktesting@pa.gov

### 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: SOURCES - ELECT PM, PMI

Group Description: Requirements - elective PM limit, weekly PMI

Sources included in this group

| ID | Name |
|---|---|
| 100 | BILLET UNLOADING STATION |
| 100A | SCREENING EQUIPMENT |
| 109 | COKE MILLS - BLDG 157, DEPT 23 |
| 115 | COKE/GRAPHITE MILL #3 |
| 115A | COKE/GRAPHITE MILL #4 |
| 115B | COKE/GRAPHITE MILL # 5 |
| 116 | PULVERIZERS #1 & #2 (2) |
| 123 | GRAPHITE PLATE SIZING 1 |
| 124 | GRAPHITE PLATE SIZING 2 |
| 411 | JET MILL #1 |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 Elective Restriction**

No person may permit the emission into the outdoor atmosphere of particulate matter from this process at any time, either in excess of the rate in such a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grains per dry standard cubic feet.

[Compliance with the requirement in this streamlined permit condition assures compliance with the provisions found in 25 Pa. Code § 123.13]

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

**# 002 [25 Pa. Code §127.511]**

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

The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problems or defects, any maintenance performed, and the pressure drop across the control device.

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 003 [25 Pa. Code §127.511]**

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

(a) The permittee shall perform a weekly preventive maintenance inspection of the control device.

(b) The permittee shall maintain a manometer or similar device to measure the pressure drop across the control device.

## SECTION E. Source Group Restrictions.

The manometer or similar device shall be maintained in good working order at all times.

(c) The permittee shall operate the control device at all times that this source is in operation.

(d) The permittee shall maintain and operate this source and the control device in accordance with the manufacturer's specifications and good air pollution control practice.

[For paragraph (b), compliance assures compliance with: PA 24-313-115, Condition #4 for Sources 115, 115A, 115B, & 123; PA 24-313-116A, Condition #6 for Sources 116 & 117; PA 24-313-124, Condition #4 for Source 124; PA 24-313-132A, Condition #6 for Source 411.]

### 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: SOURCES - ELECT/PA PM, PMI, PRESS DROP

Group Description: Requirements - elective PM limit, weekly PMI, operating pressure drop

Sources included in this group

| ID | Name |
|---|---|
| 1000 | PULVERIZER #4 |
| 1002 | ROLLER MILLS # 7 & # 8 |
| 450 | RAYMOND PULVERIZER (42 TPD) |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[For Sources 1000 & 1002]

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grain per dry standard cubic foot (gr/dscf).

[PA 24-083H]

**# 002 Elective Restriction**

[For Source 450]

No person may permit the emission into the outdoor atmosphere of particulate matter from this process at any time, either in excess of the rate in such a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grains per dry standard cubic feet.

[Compliance with the requirement in this streamlined permit condition assures compliance with the provisions found in 25 Pa. Code § 123.13]

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) The permittee shall maintain a record of the preventative maintenance inspections of the control device. These records shall, at a minimum, contain the date of the inspections, any problems or defects, the actions taken to correct the problems or defects, and any routine maintenance performed.

(b) The permittee shall maintain a record of the following during the operational inspections:

(1) Pressure drop across the control device.

[PA 24-083H for Sources 1000 & 1002. PA 24-083S for Source 450.]

## 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.

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) The permittee shall perform a weekly operational inspection of the control device.

(b) The permittee shall operate the control device at all times that the source is in operation.

(c) The permittee shall install a magnehelic gauge or equivalent to measure pressure drop across the control device. The gauge shall be maintained in good working order at all times. The permittee shall maintain the normal operating range as identifed by the permittee (as indicated below). The permittee shall operate within this range during all operational times.

(1) For Source 1000: 0.6 - 6.0 inches of water gauge.

(2) For Source 1002: 0.4 - 6.0 inches of water gauge.

(3) For Source 450: 0.6 - 6.0 inches of water gauge.

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

[PA 24-083H for Sources 1000 & 1002. PA 24-083S for Source 450.]

### 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: SOURCES - STATE PM, PMI

Group Description: Requirements - § 123.13, weekly PMI

Sources included in this group

| ID | Name |
|---|---|
| 430 | 86" PRESS JOLTERS |
| 431 | ROLLER MILL- BLDG 303 |
| 431A | ROLLER MILL #10 (BLDG 305) |
| 432 | MISC. SOURCES WITH DUST COLLECTORS |
| 432B | MISC. SOURCES WITH 4,000-CFM TORIT DUST COLLECTOR |
| 432C | MISC. SOURCES WITH 4,000-CFM ULTRA DUST COLLECTOR |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.13]**

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this process not listed 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.

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

### IV. RECORDKEEPING REQUIREMENTS.

**# 002 [25 Pa. Code §127.511]**

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

The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall, at a minimum, contain the dates of theinspections, any problems or defects, the actions taken to correct the problems or defects, and any maintenance performed.

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 003 [25 Pa. Code §127.511]**

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

(a) The permittee shall perform a weekly preventive maintenance inspection of the control device.

(b) The permittee shall operate the control device at all times that this source is in operation.

(c) The permittee shall maintain and operate this source and the control device in accordance with the manufacturer's specifications and good air pollution control practices.

### VII. ADDITIONAL REQUIREMENTS.

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

## SECTION E. Source Group Restrictions.

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

## SECTION E. Source Group Restrictions.

Group Name: SOURCES - STATE PM, PMI, PRES DROP RANGE

Group Description: Requirements - § 123.13, weekly PMI, pressure drop measurement

Sources included in this group

| ID | Name |
|---|---|
| 424 | SCREENERS #9, #10 |
| 425 | ROLLER MILL #6 |
| 426 | COKE SCREENER - BUILDING 102 |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.13]**

**Processes**

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

**# 002 [25 Pa. Code §127.511]**

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

The permittee shall maintain a record of all preventive maintenance inspections of the control device(s). These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problems or defects, any routine maintenance performed, and the pressure drop across the control device (C424 for Source 424; C425A for Source 425).

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 003 [25 Pa. Code §127.511]**

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

(a) The permittee shall perform a weekly preventive maintenance inspection of the control device(s).

(b) The permittee shall install and maintain a baghouse pressure drop gauge to measure pressure drop across the fabric collector. The gauge shall be maintained in good working order at all times.

(c) The permittee shall operate the control device(s) at all times that this source is in operation.

(d) The permittee shall maintain and operate this source and the control device(s) in accordance with good air pollution control practices.

### VII. ADDITIONAL REQUIREMENTS.

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

## SECTION E. Source Group Restrictions.

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

## SECTION E. Source Group Restrictions.

Group Name: SOURCES 100 & 100A - CAM REQUIREMENTS

Group Description: CAM-related requirements for Sources 100 & 100A

Sources included in this group

| ID | Name |
|---|---|
| 100 | BILLET UNLOADING STATION |
| 100A | SCREENING EQUIPMENT |

### 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 §127.441]**

**Operating permit terms and conditions.**

[The following CAM conditions are applicable to control devices C100 Dust Collector and C100A Collector]

The following are CAM-related requirements for particular matter.

(a) The permittee shall use the following approved process parameters or indicators to obtain and monitor the emission control equipment performance:

(1) Baghouse differential pressure.

(2) Visible emission observation.

(b) The permittee shall use the following approved means or devices to measure the applicable indicators.

(1) Magnehelic gauge.

(2) Visible emission testing procedures.

(c) The permittee shall use the following approved frequencies for conducting monitoring of indicators.

(1) Baghouse differential pressure: measured daily.

(2) Visible emission: inspected daily.

(d) The permittee shall use the approved period over which discrete data points for approved indicators will be collected and averaged for the purpose of determining an excursion.

(1) The pressure drop across the baghouse is monitored at the baghouse inlet and exhaust. No averaging period will be used for this indicator. An excursion will be based on a discrete reading 6 inch water gauge or less than 2 inch water column for the baghouse #C-100 and an excursion will be based on a discrete reading 8 inch water gauge or less than 2 inch water column for baghouse # C-100A

(2) Visible emission observations are performed every day.

### IV. RECORDKEEPING REQUIREMENTS.

**# 002 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR § 64.9. The following CAM conditions are applicable to

## SECTION E. Source Group Restrictions.

control devices C-100 Dust Collector and C-100A Dust Collector.]

The following are CAM-related requirements for particular matter.

(a) The permittee shall record all inspections, repair and maintenance performed on the monitoring equipment.

(b) The permittee shall record all excursions and corrective actions taken in response to an excursion and the time elapsed until corrective actions have been taken.

(c) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). The permittee shall also record the dates, times and durations, possible causes, and corrective actions taken for incidents.

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

**# 003 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[The following CAM conditions are applicable to control devices C-100 Dust Collector and C-100A Dust Collector]

The following are CAM-related requirements for particular matter.

(a) The permittee shall keep the record of pressure difference in pressure gauge daily.

(b) The permittee shall keep a record of daily visible monitoring results.

### V. REPORTING REQUIREMENTS.

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR § 64.9 (i.e., for (a) & (b)) & § 70.6(a)(3)(iii)(A) (i.e., for (a)). The following CAM conditions are applicable to control devices C-100 Dust Collector and C-100A Dust Collector.]

(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 downtime incidents ( other than downtime associated with zero and span or other daily calibration checks, if applicable), their dates, time and durations, possible causes and corrective actions taken, every six (6) months.

### VI. WORK PRACTICE REQUIREMENTS.

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[The following CAM conditions are applicable to control devices C-100 Dust Collector and C-100A Dust Collector]

The following are CAM-related requirements for particular matter.

(a) The permittee shall adhere to approved ranges for the selected indicators so that operation within the range shall provide reasonable assurance of compliance. A departure from the specified indicator range over a specified averaging period shall be defined as an excursion:

(1) The differential pressure range will be in between 2 to 6 inch of water column for baghouse #C-100 and the pressure range will be between 2 to 8 inch water column for baghouse C100A.

## SECTION E. Source Group Restrictions.

(2) Presence of any visible emission shall be observed by an observer in plain eyes. Anything other than zero visible emissions will trigger an immediate investigation by facility personnel.

(b) For QA/QC purposes, the permittee shall calibrate and check the accuracy of monitoring equipment taking into account the manufacturer's specifications at approved time intervals.

(1) The permittee shall perform weekly preventive maintenance inspection for QA/QC purpose.

(2) The visible emission observer will be advised on visible emission observations.

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for the following permit conditions are also derived from 40 CFR §§ 64.3 & 64.4. The following CAM conditions are applicable to control devices C-100 Dust Collector and C-100A Dust Collector]

The following are CAM-related requirements for particular matter.

(a) The permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the device.

(1) The permittee shall, for an approved device(s), install detectors or sensors at a location approved by the Department for obtaining data that are representative of the monitored indicator.

(2) The permittee shall develop verification procedures to confirm the operational status of new or modified monitoring equipment prior to commencement of the monitoring process.

(b) The permittee shall maintain sufficient monitoring equipment and stock parts necessary for routine repairs onsite.

(c) The permittee shall ensure that at least 90% of the monitoring data has been properly and accurately collected.

(d) The permittee shall submit an implementation plan and schedule if the approved monitoring requires the installation, testing or other necessary activities. The schedule for completing installation and beginning operation of the monitoring may not exceed 180 days after the issuance date of permit.

## VII. ADDITIONAL REQUIREMENTS.

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for the following permit conditions are also derived from 40 CFR §§ 64.8 (i.e., (a), (b), (d), (e), (f)) & 64.9 (i.e., (c)). The following CAM conditions are applicable to control devices C-100 Dust Collector and C-100A Dust Collector.]

The following are CAM-related requirements for particular matter.

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

(1) For properly and accumulated excursions exceed five percent (5%) of the data for particulate matter.

(2) Six excursions occur in a six-month reporting period.

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

(b) In general, the QIP plan should be developed within 60 days and the permittee shall provide a copy of 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.

## SECTION E. Source Group Restrictions.

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

(d) In accordance with 40 CFR § 64.8, 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 connection 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 performances.

(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 application requirements under the Clean Air Act.

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

## SECTION F. Alternative Operation Requirements.

Alternative Operation Name: USE OF BACKUP THERMAL OXIDIZER

***#001 CHANGES FROM NORMAL OPERATION***

Conditions for use of backup thermal oxidizer C1101C.

Sources included in this Alternative Operation:

| ID | Name | Source Type |
|---|---|---|
| 129 | LANLY OVEN & CARBON MIXERS | Process |

### 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.

**# 001 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083Y]

The facility shall monitor the combustion chamber temperature of the Thermal Oxidizer continuously during periods when it is in operation, with 'continuously' defined as a minimum of one (1) measurement in each 15-minute period.

### IV. RECORDKEEPING REQUIREMENTS.

**# 002 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083Y]

(a) The permittee shall maintain a record of all preventive maintenance inspections of the control device(s). The records of the maintenance inspections shall include, at a minimum, the dates of the inspections, the name of the person performing the inspection, any problems or defects identified, any actions taken to correct the problems or defects, and any routine maintenance performed.

(b) The permittee shall record the following operational data from the control device(s) (these records may be done with strip chart recorders, data acquisition systems, or manual log entries):

1. Thermal Oxidizer combustion chamber temperature - continuously

(c) 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.

(d) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). The permittee shall also record the dates, times and durations, probable causes and corrective actions taken for the incidents.

(e) The permittee shall record all inspections, repairs, and maintenance performed on the monitoring equipment.

(f) All records shall be kept for a period of five (5) years and shall be made available to the Department upon request.

### V. REPORTING REQUIREMENTS.

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083Y]

## SECTION F. Alternative Operation Requirements.

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

(b) The permittee shall report all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable), their dates, times and durations, probable causes and corrective actions taken, every six (6) months.

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

1. Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken.

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

## VI. WORK PRACTICE REQUIREMENTS.

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[From Plan Approval 24-083Y]

(a) The permittee shall perform a daily operational inspection of the control device(s).

(b) All gauges employed by the permittee to monitor the required operating parameters shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (+/- 2%) of full scale reading. All monitored gauges shall be mounted in accessible areas, and shall be maintained in good operating conditions at all times.

(c) The permittee shall, at a minimum, operate the Thermal Oxidizer during maintenance downtime and the bake out cycle of the RTO.

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

(e) The permittee shall adhere to the approved indicator range for the Thermal Oxidizer so that operation within the range shall provide reasonable assurance of compliance. A departure from the specified indicator range over a specified averaging period shall be defined as an excursion.

1. Minimum Thermal Oxidizer combustion chamber temperature of 1500F

(f) The permittee shall perform monthly external inspections of the control system and annual internal inspections of the RTO and SO2 Scrubber. An excursion is defined as a failure to perform and record the monthly external or annual internal inspections.

(g) Response to excursions or exceedances.

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

(2) Determination of whether the owner or operator has used acceptable procedures in response to an excursion or

**SECTION F. Alternative Operation Requirements.**

exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

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

### 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 G. Emission Restriction Summary.

| Source Id | Source Description |
|---|---|

100 BILLET UNLOADING STATION

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.020 | gr/DRY FT3 | | TSP |

1000 PULVERIZER #4

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.020 | gr/DRY FT3 | | TSP |

1001 CARBON BAKING KILN #35

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 7.400 | Lbs/Hr | 30-day rolling average | SO2 |
| 15.000 | Tons/Yr | 12-month rolling total | SO2 |
| 500.000 | PPMV | Dry basis - Instantaneous limit on 3-hour average | SO2 |
| 0.040 | gr/DRY FT3 | | TSP |

1002 ROLLER MILLS # 7 & # 8

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.020 | gr/DRY FT3 | | TSP |

1003 CARBON BAKING KILN # 36

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 13.500 | Lbs/Hr | Car kiln nos. 1,2,&3, and CBH Kiln nos. 29, 30, 31, 32, 36 &37: based on 30-day rolling average | SOX |
| 41.500 | Tons/Yr | Car kiln nos. 1,2,&3, and CBH Kiln nos. 29, 30, 31, 32, 36 &37: based on consecutive 12-month rolling period | SOX |
| 500.000 | PPMV | dry basis, Instantaneous SO2 Limit based on 3-hour average, from scrubber stack | SOX |
| 500.000 | PPMV | dry basis, from Clean Air Stack | SOX |
| 0.040 | gr/DRY FT3 | | TSP |

1004 CARBON BAKING KILN # 37

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 13.500 | Lbs/Hr | Car kiln nos. 1,2,&3, and CBH Kiln nos. 29, 30, 31, 32, 36 &37: based on 30-day rolling average | SOX |
| 41.500 | Tons/Yr | Car kiln nos. 1,2,&3, and CBH Kiln nos. 29, 30, 31, 32, 36 &37: based on consecutive 12-month rolling period | SOX |
| 500.000 | PPMV | dry basis, Instantaneous SO2 Limit based on 3-hour average, from scrubber stack | SOX |
| 500.000 | PPMV | dry basis, from Clean Air Stack | SOX |
| 0.040 | gr/DRY FT3 | | TSP |

## SECTION G. Emission Restriction Summary.

| Source Id | Source Description |
|---|---|

100A SCREENING EQUIPMENT

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.020 | gr/DRY FT3 | | TSP |

101A GRAPHITE CRUSHER (FEEDER BREAKER)

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.020 | gr/DRY FT3 | | TSP |

102 CRUSHERS - BLDG 157, DEPT 23, WEIGH STATION (16)

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.020 | gr/DRY FT3 | | TSP |

109 COKE MILLS - BLDG 157, DEPT 23

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.020 | gr/DRY FT3 | | TSP |

110 AIR CLASSIFIER MILL

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.005 | gr/DRY FT3 | | TSP |

1100 ELECTRIC FURNACE #1

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 2.600 | Lbs/Hr | | SOX |
| 500.000 | PPMV | dry basis | SOX |
| 0.020 | gr/DRY FT3 | | TSP |
| 1.730 | Lbs/Hr | | VOC |

1100A ELECTRIC FURNACE

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 2.500 | Lbs/Hr | | SOX |
| 10.950 | Tons/Yr | 12-month rolling basis | SOX |
| 500.000 | PPMV | DRY BASIS | SOX |
| 0.020 | gr/DRY FT3 | | TSP |
| 0.100 | Lbs/Hr | | VOC |
| 0.400 | Tons/Yr | 12-month rolling basis | VOC |

115 COKE/GRAPHITE MILL #3

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.020 | gr/DRY FT3 | | TSP |

115A COKE/GRAPHITE MILL #4

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.020 | gr/DRY FT3 | | TSP |

## SECTION G. Emission Restriction Summary.

| Source Id | Source Description |
|---|---|

115B COKE/GRAPHITE MILL # 5

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.020 | gr/DRY FT3 | | TSP |

116 PULVERIZERS #1 & #2 (2)

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.020 | gr/DRY FT3 | | TSP |

123 GRAPHITE PLATE SIZING 1

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.020 | gr/DRY FT3 | | TSP |

124 GRAPHITE PLATE SIZING 2

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.020 | gr/DRY FT3 | | TSP |

129 LANLY OVEN & CARBON MIXERS

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 8.000 | Lbs/Hr | | SOX |
| 500.000 | PPMV | Dry basis | SOX |
| 0.020 | gr/DRY FT3 | | TSP |
| 4.200 | Lbs/Hr | | VOC |

134 CBH KILN #34

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 7.400 | Lbs/Hr | 30-day rolling average | SO2 |
| 15.000 | Tons/Yr | 12-month rolling total | SO2 |
| 500.000 | PPMV | Dry basis - Instantaneous limit on 3-hour average | SO2 |
| 0.040 | gr/DRY FT3 | | TSP |

137 CURING OVENS (4)

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.400 | gr/DRY FT3 | | TSP |

139 CURING OVENS (5)

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.400 | gr/DRY FT3 | | TSP |

144 CBH KILN #27

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 7.400 | Lbs/Hr | 30-day rolling average | SO2 |
| 15.000 | Tons/Yr | 12-month rolling total | SO2 |
| 500.000 | PPMV | Dry basis - Instantaneous limit on 3-hour average | SO2 |

## SECTION G. Emission Restriction Summary.

| Source Id | Source Description |
|---|---|

| | | | |
|---|---|---|---|
| 0.040 | gr/DRY FT3 | | TSP |

145 CBH KILN #29

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 13.500 | Lbs/Hr | Car kiln nos. 1,2,&3, and CBH Kiln nos. 29, 30, 31, 32, 36 &37: based on 30-day rolling average | SOX |
| 41.500 | Tons/Yr | Car kiln nos. 1,2,&3, and CBH Kiln nos. 29, 30, 31, 32, 36 &37: based on consecutive 12-month rolling period | SOX |
| 500.000 | PPMV | dry basis, Instantaneous SO2 Limit based on 3-hour average, from scrubber stack | SOX |
| 500.000 | PPMV | dry basis, from Clean Air Stack | SOX |
| 0.040 | gr/DRY FT3 | | TSP |

146 CBH KILN #30

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 13.500 | Lbs/Hr | Car kiln nos. 1,2,&3, and CBH Kiln nos. 29, 30, 31, 32, 36 &37: based on 30-day rolling average | SOX |
| 41.500 | Tons/Yr | Car kiln nos. 1,2,&3, and CBH Kiln nos. 29, 30, 31, 32, 36 &37: based on consecutive 12-month rolling period | SOX |
| 500.000 | PPMV | dry basis, Instantaneous SO2 Limit based on 3-hour average, from scrubber stack | SOX |
| 500.000 | PPMV | dry basis, from Clean Air Stack | SOX |
| 0.040 | gr/DRY FT3 | | TSP |

147 CBH KILN #31

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 13.500 | Lbs/Hr | Car kiln nos. 1,2,&3, and CBH Kiln nos. 29, 30, 31, 32, 36 &37: based on 30-day rolling average | SOX |
| 41.500 | Tons/Yr | Car kiln nos. 1,2,&3, and CBH Kiln nos. 29, 30, 31, 32, 36 &37: based on consecutive 12-month rolling period | SOX |
| 500.000 | PPMV | dry basis, Instantaneous SO2 Limit based on 3-hour average, from scrubber stack | SOX |
| 500.000 | PPMV | dry basis, from Clean Air Stack | SOX |
| 0.040 | gr/DRY FT3 | | TSP |

148 CBH KILN #32

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 13.500 | Lbs/Hr | Car kiln nos. 1,2,&3, and CBH Kiln nos. 29, 30, 31, 32, 36 &37: based on 30-day rolling average | SOX |
| 41.500 | Tons/Yr | Car kiln nos. 1,2,&3, and CBH Kiln nos. 29, 30, 31, 32, 36 &37: based on consecutive 12-month rolling period | SOX |

## SECTION G. Emission Restriction Summary.

| Source Id | Source Description |
|---|---|

| | | | |
|---|---|---|---|
| 500.000 | PPMV | dry basis, Instantaneous SO2 Limit based on 3-hour average, from scrubber stack | SOX |
| 500.000 | PPMV | dry basis, from Clean Air Stack | SOX |
| 0.040 | gr/DRY FT3 | | TSP |

149 CBH KILN #33

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 7.400 | Lbs/Hr | 30-day rolling average | SO2 |
| 15.000 | Tons/Yr | 12-month rolling total | SO2 |
| 500.000 | PPMV | Dry basis - Instantaneous limit on 3-hour average | SO2 |
| 0.040 | gr/DRY FT3 | | TSP |

402 CARBOTTOM KILN #1

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 13.500 | Lbs/Hr | Car kiln nos. 1,2,&3, and CBH Kiln nos. 29, 30, 31, 32, 36 &37: based on 30-day rolling average | SOX |
| 41.500 | Tons/Yr | Car kiln nos. 1,2,&3, and CBH Kiln nos. 29, 30, 31, 32, 36 &37: based on consecutive 12-month rolling period | SOX |
| 500.000 | PPMV | dry basis, Instantaneous SO2 Limit based on 3-hour average, from scrubber stack | SOX |
| 500.000 | PPMV | dry basis, from Clean Air Stack | SOX |
| 0.040 | gr/DRY FT3 | | TSP |

403 CARBOTTOM KILN #2

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 13.500 | Lbs/Hr | Car kiln nos. 1,2,&3, and CBH Kiln nos. 29, 30, 31, 32, 36 &37: based on 30-day rolling average | SOX |
| 41.500 | Tons/Yr | Car kiln nos. 1,2,&3, and CBH Kiln nos. 29, 30, 31, 32, 36 &37: based on consecutive 12-month rolling period | SOX |
| 500.000 | PPMV | dry basis, Instantaneous SO2 Limit based on 3-hour average, from scrubber stack | SOX |
| 500.000 | PPMV | dry basis, from Clean Air Stack | SOX |
| 0.040 | gr/DRY FT3 | | TSP |

403A CARBOTTOM KILN #3

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 13.500 | Lbs/Hr | Car kiln nos. 1,2,&3, and CBH Kiln nos. 29, 30, 31, 32, 36 &37: based on 30-day rolling average | SOX |
| 41.500 | Tons/Yr | Car kiln nos. 1,2,&3, and CBH Kiln nos. 29, 30, 31, 32, 36 &37: based on consecutive 12-month rolling period | SOX |
| 500.000 | PPMV | dry basis, Instantaneous SO2 Limit based on 3-hour average, from scrubber stack | SOX |

## SECTION G. Emission Restriction Summary.

| Source Id | Source Description | | |
|---|---|---|---|
| 500.000 | PPMV | dry basis, from Clean Air Stack | SOX |
| 0.040 | gr/DRY FT3 | | TSP |

403B CARBOTTOM KILN #4

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 7.400 | Lbs/Hr | 30-day rolling average | SO2 |
| 15.000 | Tons/Yr | 12-month rolling total | SO2 |
| 500.000 | PPMV | Dry basis - Instantaneous limit on 3-hour average | SO2 |
| 0.040 | gr/DRY FT3 | | TSP |

405A GRAPHITIZED MATERIALS BAKING OVEN

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 500.000 | PPMV | Dry basis | SOX |
| 0.040 | gr/DRY FT3 | | TSP |

406 EXCESS AIR OVENS #1 AND #2

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 500.000 | PPMV | dry basis | SOX |
| 0.040 | gr/DRY FT3 | | TSP |

406A EXCESS AIR OVENS 3 & 4

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 500.000 | PPMV | dry basis | SOX |
| 0.040 | gr/DRY FT3 | | TSP |

406B EXCESS AIR OVENS 5 & 6

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 500.000 | PPMV | dry basis | SOX |
| 0.040 | gr/DRY FT3 | | TSP |

408 DRYER 13

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.040 | gr/DRY FT3 | | TSP |

409 DRYER 14

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.040 | gr/DRY FT3 | | TSP |

411 JET MILL #1

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.020 | gr/DRY FT3 | | TSP |

## SECTION G. Emission Restriction Summary.

| Source Id | Source Description |
|---|---|
| 411A | JET MILL |

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.020 | gr/DRY FT3 | dry basis | TSP |

| Source Id | Source Description |
|---|---|
| 414 | GRAPHITE MACHINING 1 (LATHE) |

| Emission Limit | | Pollutant |
|---|---|---|
| 0.020 | gr/DRY FT3 | TSP |

| Source Id | Source Description |
|---|---|
| 415 | GRAPHITE MACHINING 2 (LATHE) |

| Emission Limit | | Pollutant |
|---|---|---|
| 0.020 | gr/DRY FT3 | TSP |

| Source Id | Source Description |
|---|---|
| 416 | GRAPHITE MACHINING 3 (LATHE) |

| Emission Limit | | Pollutant |
|---|---|---|
| 0.020 | gr/DRY FT3 | TSP |

| Source Id | Source Description |
|---|---|
| 417 | GRAPHITE MACHINING 4 (LATHE) |

| Emission Limit | | Pollutant |
|---|---|---|
| 0.020 | gr/DRY FT3 | TSP |

| Source Id | Source Description |
|---|---|
| 419 | GRAPHITE MACHINING 6 (SRD GRINDER) |

| Emission Limit | | Pollutant |
|---|---|---|
| 0.020 | gr/DRY FT3 | TSP |

| Source Id | Source Description |
|---|---|
| 420 | GRAPHITE MACHINING 7 (SAWS & GRINDER) |

| Emission Limit | | Pollutant |
|---|---|---|
| 0.020 | gr/DRY FT3 | TSP |

| Source Id | Source Description |
|---|---|
| 421 | GRAPHITE MACHINING 8 (GRINDERS-6) |

| Emission Limit | | Pollutant |
|---|---|---|
| 0.020 | gr/DRY FT3 | TSP |

| Source Id | Source Description |
|---|---|
| 424 | SCREENERS #9, #10 |

| Emission Limit | | Pollutant |
|---|---|---|
| 0.040 | gr/DRY FT3 | TSP |

| Source Id | Source Description |
|---|---|
| 425 | ROLLER MILL #6 |

| Emission Limit | | Pollutant |
|---|---|---|
| 0.040 | gr/DRY FT3 | TSP |

| Source Id | Source Description |
|---|---|
| 426 | COKE SCREENER - BUILDING 102 |

| Emission Limit | | Pollutant |
|---|---|---|
| 0.040 | gr/DRY FT3 | TSP |

## SECTION G. Emission Restriction Summary.

| Source Id | Source Description |
|---|---|
| 428 | PITCH COKE,CRUSHER,BLENDER,10 VACUUM HOSES & 1 WEIGH STATION |

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.010 | gr/DRY FT3 | | TSP |

| Source Id | Source Description |
|---|---|
| 429 | SCREENS, #1 TO #8 (8) |

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.010 | gr/DRY FT3 | | TSP |

| Source Id | Source Description |
|---|---|
| 430 | 86" PRESS JOLTERS |

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.040 | gr/DRY FT3 | | TSP |

| Source Id | Source Description |
|---|---|
| 431 | ROLLER MILL- BLDG 303 |

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.040 | gr/DRY FT3 | | TSP |

| Source Id | Source Description |
|---|---|
| 431A | ROLLER MILL #10 (BLDG 305) |

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.040 | gr/DRY FT3 | | TSP |

| Source Id | Source Description |
|---|---|
| 432 | MISC. SOURCES WITH DUST COLLECTORS |

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.040 | gr/DRY FT3 | | TSP |

| Source Id | Source Description |
|---|---|
| 432B | MISC. SOURCES WITH 4,000-CFM TORIT DUST COLLECTOR |

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.040 | gr/DRY FT3 | | TSP |

| Source Id | Source Description |
|---|---|
| 432C | MISC. SOURCES WITH 4,000-CFM ULTRA DUST COLLECTOR |

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.040 | gr/DRY FT3 | | TSP |

| Source Id | Source Description |
|---|---|
| 440 | BATCH GRAPHITIZING FURNACE LWG #16 |

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 130.000 | Lbs/Hr | | CO |
| 23.000 | Lbs/Hr | | SOX |
| 500.000 | PPMV | dry basis. | SOX |
| 0.040 | gr/DRY FT3 | | TSP |
| 15.000 | Lbs/Hr | | TSP |
| 1.750 | Lbs/Hr | | VOC |

## SECTION G. Emission Restriction Summary.

| Source Id | Source Description |
|---|---|
| 450 | RAYMOND PULVERIZER (42 TPD) |

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.020 | gr/DRY FT3 | | TSP |

| Source Id | Source Description |
|---|---|
| 701 | EMERGENCY GENERATOR B101 (10-KW) |

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 500.000 | PPMV | Dry basis | SOX |
| 0.040 | gr/DRY FT3 | | TSP |

| Source Id | Source Description |
|---|---|
| 702 | EMERGENCY GENERATOR D131 (35-KW) |

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 500.000 | PPMV | Dry basis | SOX |
| 0.040 | gr/DRY FT3 | | TSP |

| Source Id | Source Description |
|---|---|
| 703 | EMERGENCY GENERATOR D30 (40-KW) |

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 500.000 | PPMV | Dry basis | SOX |
| 0.040 | gr/DRY FT3 | | TSP |

| Source Id | Source Description |
|---|---|
| 704 | EMERGENCY GENERATOR B304 (9-KW) |

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 500.000 | PPMV | Dry basis | SOX |
| 0.040 | gr/DRY FT3 | | TSP |

| Source Id | Source Description |
|---|---|
| 705 | EMERGENCY GENERATOR B94 (36-KW) |

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 500.000 | PPMV | Dry basis | SOX |
| 0.040 | gr/DRY FT3 | | TSP |

### Site Emission Restriction Summary

| Emission Limit | Pollutant |
|---|---|

### Alternative Operation Emission Restriction Summary

| Source Id | Source Description |
|---|---|

## SECTION H. Miscellaneous.

(a) The Capacity/Throughput numbers listed in Section A, the Site Inventory List, and provided in Section D of this permit for individual sources are for informational purposes only and are not to be considered enforceable limits. Enforceable emission limits are listed in the Restrictions section for each source (Section D) and source group (Section E) and in Section C. The emission limitations contained in Section G of this permit are for informational purposes and are not to be considered as enforceable limits.

(b) Source Information

(b.1) Source 1002 - consists of two rollers mills (#7 & #8). Each mill has individual dust collector.

(b.2) Source 102 - additional dust collector authorized through RFD #435 (exempt from plan approval as per § 127.14(c)(2))

(b.3) Source 129 (Lanly oven and carbon mixers) - consists of Carbon mixers: #2, #3, #4, #5 #6,#7,#8,#9, #18,#19, #20, #21, #22, #23, and another 8 mixers, total 18 mixers plus Lannly oven. Sources 129A, 129B, 129C and 404 (see PA 24-083P) are included with this source because the control devices (C1101A and C1101B) and source level requirements are identical.

(b.4) Source 424 - consists of two screens/screeners (#9 & #10). Each screen has one individual dust collector (exempt from plan approval requirements as per § 127.14(a)(8), item #2 (PM control device handling less than 5,000 cfm air)).

(b.5) Source 425 - exempt from plan approval erquirements as per § 127.14(a)(8), item #2 (PM control device handling less than 5,000 cfm air).

(b.6) Source 429 - authorized through RFD #6006, exempt from plan approval requirements as per § 127.14(a)(8), item #36 (de minimis emission increase).

(b.7) Source 428 - consists of the following: a crushing process and a blending process; the new blender (Carbone Double Ribbon - model D122-1, 200 cubic foot) exempt from plan approval under the RFD submitted to the Department on January 23, 2010; and ten (10) vacuum hoses and one (1) small weigh station authorized through RFD signed on May 14, 2008.

(b.8) Source 429 - consists of 8 separate screeners, each of which have their own separate baghouse for control (approximately 1000 dscf each).

(b.9) Source 431A - authorizeed through RFD #7555, exempt from plan approval requirements as per § 127.14(a)(8), item #44 (sources granted an exemption through an RFD).

(b.10) Source 432 (Misc. Sources with Dust Collectors) - consists of the following:

(1) Jet Mill
(2) Wire Brush cleaning
(3) Sagger unloading
(4) Copper molding press
(5) Mix weigh station
(6) Presses and mix weigh station
(7) Mix weigh
(8) Dust collector dept. 40
(9) Dust collector for pitch.
(10) Dust collector for pitch silo.
(11) Sagger loading Dept. 30.
(12) Corner Grinder (RFD #7784 - exempt from plan approval pursuant to § 127.14(c)(2))

(b.11) Source 432B - consists of the following: 28” press jolter, material transfer station, #2 line press, small weigh station, pitch crusher, 1,000 ton press & two 9” presses. Located at Building(s) 302/191. Authorized through RFD #5924; exempt from plan approval requirements as per § 127.14(a)(8), item #44 (sources granted an exemption through an RFD).

(b.12) Source 432C - consists of the following: two granulators, two crushers, sifter, material transfer station, & two blenders. Located at Building(s) 302/191. Authorized through RFD #5924; exempt from plan approval requirements as per § 127.14(a)(8), item #44 (sources granted an exemption through an RFD).

(c) Trivial/Insignificant activities. There are no applicable emission, testing, monitoring, recordkeeping, or reporting requirements for the following sources:

(c.1) Plate Molding Line # 1
(c.2) Plate Molding Line #2
(c.3) Hot Mold Presses ( # 1267 & # 1274)
(c.4) Hot Mold Presses( #1261 & #1262)
(c.5) Lab Presses
(c.6) Drying Ovens(3)
(c.7) Drying Ovens(3)
(c.8) Harper Oven
(c.9) Ventilation System
(c.10) Saws, Grinders

## SECTION H. Miscellaneous.

(c.11) Drying Ovens(2)
(c.12) Box Ovens(2)
(c.13) Vacuum Dryer
(c.14) Ash Ovens(2)
(c.15) Mixer No.9 (Dept.# 131)
(c.16) New treatment process. Furfural alcohol, coal tar pitch and diethyl sulfate are warmed and stirred over several days under a fume hood and then the solution, used to impregnate graphite, is transferred to a tank. With VOC PTE of 0.55 TPY, this source was exempt from plan approval requirements as per § 127.14 (a)(8), item #36 (source qualifying under § 127.449 as a de minimis emission increase).
(c.17) Removal of activated carbon absorption system from the exiting ground water recovery & vacuum enhanced recovery treatment systems. RFD received on March 7, 2013 and approved on June 19, 2013. Resulting in an VOC emission increase by 0.37 TPY from the facility, exempt from plan approval requirement as per §127.14 (a)(8), item #36.
(c.18) Experimental pitch melter. RFD ID #3526. Received on 03/14/2013 and approved on 06/20/2013. The dust generated at the pitch loading point is controlled by an existing baghouse (C102) (i.e., Draco MKII-NA, 6,000-CFM capacity, mechanical shaker). For this project, a process vessel was installed to melt the solid pitch, with the melted pitch maintained at 190 °C in the vessel & pumped to an existing mixer from underneath the vessel. The vessel vents to an existing Regenerative Thermal Oxidizer (RTO) followed by an existing scrubber (Scrubber D) (C1101A, C1101B). Exempt from plan approval requirement as per §127.14 (a) (8), item #36.

(d) Emissions inventory report-related information
(d.1) Source ID 500 - Created for purposes of reporting emissions from natural gas usage for the following permitted sources; no dedicated gas meter is assigned/installed for each source. Because these sources are already assigned Source IDs in the permit, Source ID 500 is for emission inventory purposes only & not identified as a permitted source.
(1) Sources 406, 406A, 406B - Some natural gas usage (source & oxidizer) is reported under each source and some under Source ID 500.
(2) Source 1100 - Furnace is electric but the oxidizer uses natural gas.
(3) Source 129 - Oxidizer natural gas usage is reported under Source 129 but natural gas usage for heating the hot oil, which heats the mixers, is reported under Source ID 500.
(4) Sources 137, 139 - The ovens are electric but the oxidizers use natural gas.
(5) Sources 408 & 409 - Natural gas-fired dryers.

(e) RFDs issued (documentation beginning 2016 renewal; for other RFDs, see (b) Source Information of this section):
(e.1) Sources 406, 406A, & 406B rebricking. RFD #3933 (received on 08/28/2013 & approved on 07/08/201) for the change of brick bottomed and brick side walls by new bricks of six excess air ovens. The thermal oxidizers connected to these sources will be unchanged. This new brick lining will save 10% less natural gas. Exempted from plan approval requirement as per 25 Pa. Code § 127.14(9).
(e.2) For RFDs issued & conditional exemptions applied to exempt the permitted sources from plan approval requirements, see review memo for the 2021/2022 permit renewal (dated January 20, 2022).

(f) Plan approvals (note: not all plan approvals documented below):
(f.1) Pursuant to PA 24-083D (March 29, 2001 issuance), authorized to install and temporarily operate Scrubber system B to control emission of sulfur oxides. [This note is no longer applicable with the installation of Scrubber B2 which replaced B.]
(f.2) Pursuant to PA 24-083E (August 8, 2002 issuance):
(1) Authorized to install and temporarily operate Scrubber System A to control emissions of sulfur oxides.
(2) Authorized to operate Sources 145, 146, 147, 148, 402, 403, and 403a with the emissions of sulfur oxides controlled by Scrubber System A.
(f.3) Pursuant to PA 24-083D, F & G (issued on March 29, 2001, August 20, 2004 and September 19, 2005, respectively), authorized to operate Source 144 and sources identified as CBH Kiln #33, CBH Kiln #34 and CBH Kiln #35 in the above plan approvals with the emissions of sulfur oxides controlled by Scrubber System B with Plan Approval No. 24-083G imposing the emission limitations from those sources through Scrubber System B. [This note is no longer applicable with the installation of Scrubber B2 which replaced B.]
(f.4) Pursuant to PA 24-083I (May 9, 2006 issuance), restated the emission limitations for Scrubber System A and the sources controlled by Scrubber System A, and removed the production limits from Sources 129, 129A, 144, 145, 146, 147, 148, 402, 403, and 403a, which production limits are contained in this permit.

## SECTION H. Miscellaneous.

(g) Permit History (note: information beginning with those included in the 2016 renewal permit)

(g.1) This Title V permit was administrative amended on the following dates: May 8, 2008 (PA 24-083H, removal of Sources 404B & 407); May 5, 2009 (PA 24-083D, E, F, G, I, & L); February 19, 2009 (PA 24-083Q, which replaced PA 24-083L); July 27, 2010 (name change (Carbone of America to Mersen USA St. Marys-PA Corp.) & change in Responsible Official); November 3, 2010 (PA 24-083P & R); September 9, 2011 (PA 24-083O); October 17, 2012 (PA 24-083S); October 11, 2013 (PA 24-083T); February 12, 2015 (change in Responsible Official).

(g.2) This Title V permit was renewed on the following dates: August 9, 2011; September 26, 2016; January 20, 2022.

(g.3) This Title V permit was administratively amended on March 30, 2022 to incorporate the requirements of Plan Approval 24-083Y for the backup thermal oxidizer (C1101C).

(g.4) This Title V permit was administratively amended on October 4, 2022 to incorporate the requirements of Plan Approval 24-083X for Sources 1100A and 411A.

(g.5) This Title V permit was administratively amended on February, 27, 2024 to incorporate the requirements of Plan Approval 24-083AA with the installation of "New Scrubber A".

(g.6) This Title V permit was administratively amended on March 19, 2025 to incorporate the requirements of Plan Approval 24-083W.

(g.7) This Title V permit was administratively amended on November 4, 2026 to incorporate the requirements of Plan Approval 24-00083BB.

(h) Source ID 129 previously consisted of one (1) slug mixer, one (1) Lanly oven, and twenty one (21) heated paddle mixers ( #2, #3, #4, #5, #6, #7, #8, #9, #11, #12, #13, #14, #15, #16, #17, #18, #19, #20, #21, #22, #23).Plan approval 24-083W added one (1) paddle mixer (#1).

****** End of Report ******