



30-00040

IRON CUMBERLAND LLC/CUMBERLAND MINE



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

**STATE ONLY SYNTHETIC MINOR OPERATING PERMIT**

Issue Date: November 17, 2025

Effective Date: December 1, 2025

Expiration Date: November 17, 2030

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 unless otherwise designated.

**State Only Permit No: 30-00040**

Synthetic Minor

Federal Tax Id - Plant Code: 81-2963691

**Owner Information**

Name: IRON CUMBERLAND LLC

Mailing Address: PO BOX 1020  
855 KIRBY RD  
WAYNESBURG, PA 15370-3020

**Plant Information**

Plant: IRON CUMBERLAND LLC/CUMBERLAND MINE

Location: 30 Greene County 30926 Whiteley Township

SIC Code: 1222 Mining - Bituminous Coal - Underground

**Responsible Official**

Name: TIM RUNYAN

Title: CHIEF OPERATING OFFICER

Phone: (681) 212 - 9966

Email: trunyan@ironsenergy.com

**Permit Contact Person**

Name: ROBERT HOLTZ

Title: ENVIRONMENTAL MANAGER

Phone: (724) 713 - 7287

Email: holtz@ironsenergy.com

[Signature] \_\_\_\_\_

MARK R. GOROG, P.E., ENVIRONMENTAL PROGRAM MANAGER, SOUTHWEST REGION



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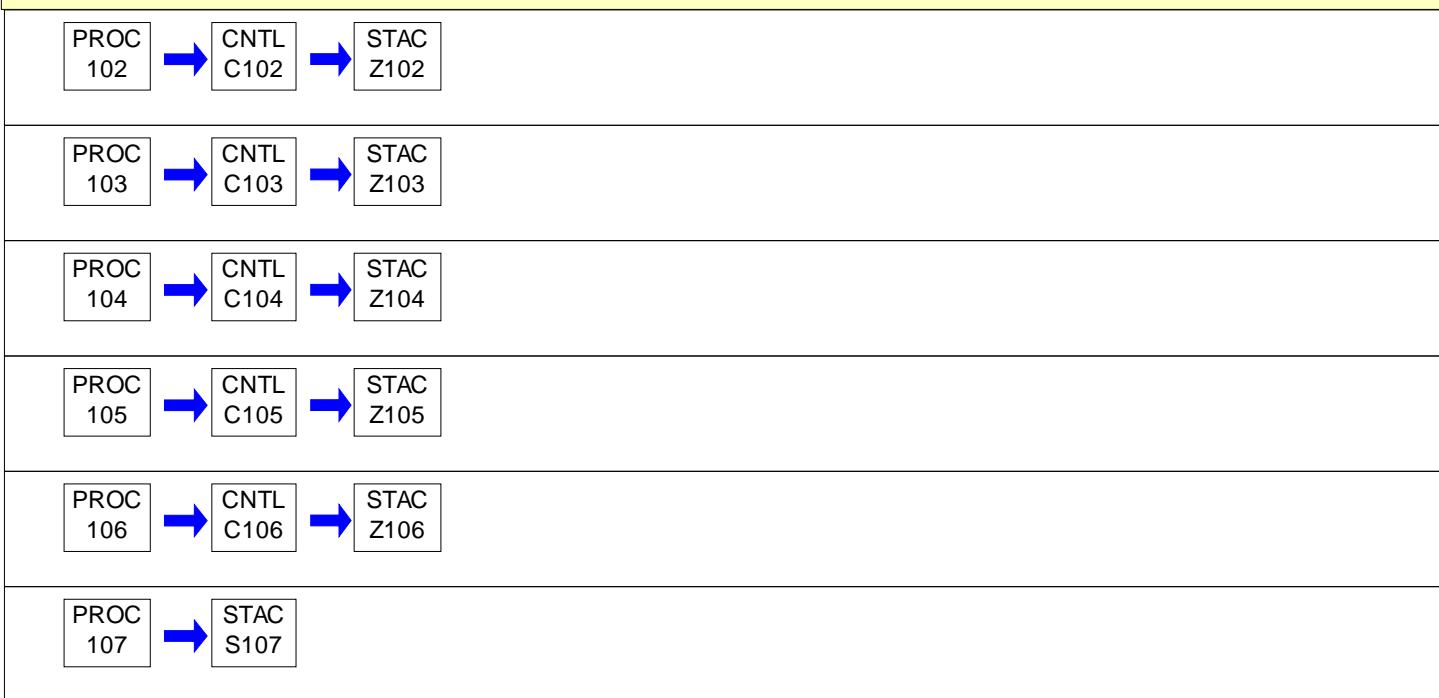
- F-I: Restrictions
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**PERMIT MAPS**

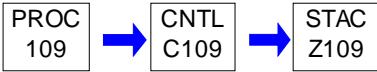
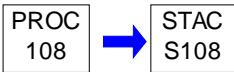


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## PERMIT MAPS





## SECTION B. General State Only 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 in 25 Pa. Code § 121.1.

### #002 [25 Pa. Code § 127.446]

#### Operating Permit Duration.

(a) 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.

(b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating 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.

### #003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)]

#### Permit Renewal.

(a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.

(b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. 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.

(c) The permittee shall submit with the renewal application a fee for the processing of the application as specified in 25 Pa. Code § 127.703(b). 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.

(d) 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.

(e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).

(f) 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 as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

### #004 [25 Pa. Code § 127.703]

#### Operating Permit Fees under Subchapter I.

(a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.

(1) For a synthetic minor facility, a fee equal to:

(i) Four thousand dollars (\$4,000) for calendar years 2021—2025.

(ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.

(iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.

(2) For a facility that is not a synthetic minor, a fee equal to:



## SECTION B. General State Only Requirements

- (i) Two thousand dollars (\$2,000) for calendar years 2021—2025.
- (ii) Two thousand five hundred dollars (\$2,500) for calendar years 2026—2030.
- (iii) Three thousand one hundred dollars (\$3,100) for the calendar years beginning with 2031.

(b) 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.

### #005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]

#### Transfer of Operating Permits.

- (a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.
- (b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and a written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee and a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.
- (c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

### #006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]

#### Inspection and Entry.

- (a) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or authorized representatives of the Department to perform the following:
  - (1) Enter at reasonable times upon the permittee's premises where a 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, at reasonable times, any records that are kept under the conditions of this permit;
  - (3) Inspect at reasonable times, any 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, any 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 or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.
- (c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

### #007 [25 Pa. Code §§ 127.441 & 127.444]

#### Compliance Requirements.

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



## SECTION B. General State Only Requirements

- (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 for the source is 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 State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

### #008 [25 Pa. Code § 127.441]

#### Need to Halt or Reduce Activity Not a Defense.

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

### #009 [25 Pa. Code §§ 127.442(a) & 127.461]

#### Duty to Provide Information.

- (a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.
- (b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

### #010 [25 Pa. Code § 127.461]

#### Revising an Operating Permit for Cause.

This operating permit may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.
- (4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

### #011 [25 Pa. Code §§ 127.450, 127.462, 127.465 & 127.703]

#### Operating Permit Modifications

- (a) The permittee is authorized to make administrative amendments, minor operating permit modifications and significant operating permit modifications, under this permit, as outlined below:
- (b) Administrative Amendments. The permittee shall submit the application for administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless



## SECTION B. General State Only Requirements

precluded by the Clean Air Act or its regulations.

(c) Minor Operating Permit Modifications. The permittee shall submit the application for minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Significant Operating Permit Modifications. The permittee shall submit the application for significant operating permit modifications in accordance with 25 Pa. Code § 127.465.

(e) 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.

### #012 [25 Pa. Code § 127.441]

#### Severability Clause.

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

### #013 [25 Pa. Code § 127.449]

#### De Minimis Emission Increases.

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. 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.

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

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

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

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

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

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

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

(d) In accordance with § 127.14, the permittee is authorized to install the following minor sources without the need for a plan approval or permit modification:

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



## SECTION B. General State Only Requirements

(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 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.

(e) 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 (c)(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 this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(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, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

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

### #014 [25 Pa. Code § 127.3]

#### **Operational Flexibility.**

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

(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 modifications)

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



## SECTION B. General State Only Requirements

### #015 [25 Pa. Code § 127.11a]

#### Reactivation of Sources

- (a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).
- (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).

### #016 [25 Pa. Code § 127.36]

#### Health Risk-based Emission Standards and Operating Practice Requirements.

- (a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].
- (b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

### #017 [25 Pa. Code § 121.9]

#### Circumvention.

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 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

### #018 [25 Pa. Code §§ 127.402(d) & 127.442]

#### Reporting Requirements.

- (a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.
- (b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.
- (c) 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 in the permit transmittal letter, or otherwise notified)
- (d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.
- (e) Any records, reports or information submitted to the Department shall be available to the public except for such records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.



## SECTION B. General State Only Requirements

### #019 [25 Pa. Code §§ 127.441(c) & 135.5]

#### Sampling, Testing and Monitoring Procedures.

(a) The permittee shall comply with the monitoring, recordkeeping or reporting requirements of 25 Pa. Code Chapter 139 and the other applicable requirements of 25 Pa. Code Article III and additional requirements related to monitoring, reporting and recordkeeping required by the Clean Air Act and the regulations thereunder including the Compliance Assurance Monitoring requirements of 40 CFR Part 64, where applicable.

(b) Unless alternative methodology is required by the Clean Air Act and regulations adopted thereunder, sampling, testing and monitoring required by or used by the permittee to demonstrate compliance with any applicable regulation or permit condition shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139.

### #020 [25 Pa. Code §§ 127.441(c) and 135.5]

#### Recordkeeping.

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

- (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 any 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.

### #021 [25 Pa. Code § 127.441(a)]

#### Property Rights.

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

### #022 [25 Pa. Code § 127.447]

#### Alternative Operating Scenarios.

The permittee is authorized to make changes at the facility to implement alternative operating scenarios identified in this permit in accordance with 25 Pa. Code § 127.447.

### #023 [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).



## SECTION B. General State Only Requirements

### #024 [25 Pa. Code §135.3]

#### Reporting

(a) If the facility is a Synthetic Minor Facility, 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 of a Synthetic Minor Facility 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.

### #025 [25 Pa. Code §135.4]

#### Report Format

If applicable, the 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 §121.7]

##### **Prohibition of air pollution.**

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

##### # 002 [25 Pa. Code §123.1]

##### **Prohibition of certain fugitive emissions**

(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) Open burning operations.

(7) - (8) N/A.

(9) Sources and classes of sources other than those identified in paragraphs (1)-(5), 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.

(b) The permittee may not permit fugitive particulate matter from sources specified in paragraph's (a)(1)-(9) if the emissions are visible at the point the emissions pass outside the person's property.

(c) Contained under WORK PRACTICE REQUIREMENTS in this section of the permit.

(d) N/A.

[Compliance with the fugitive emission requirement of 25 Pa. Code 123.1 shall be sufficient to assure compliance with the 20% opacity limit of 40 CFR § 60.254(a)]

##### # 003 [25 Pa. Code §123.13]

##### **Processes**

Particulate matter emissions into the outdoor atmosphere from any process shall not exceed 0.04 gr/dscf as specified in 25 Pa. Code § 123.13(c)(1)(i).

##### # 004 [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 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.



## SECTION C. Site Level Requirements

### # 005 [25 Pa. Code §123.31]

#### **Limitations**

(a) N/A.

(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) N/A.

### # 006 [25 Pa. Code §123.41]

#### **Limitations**

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

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

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

### # 007 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

Emissions of volatile organic compounds (VOC) from the Cumberland Mine Coal Preparation Plant shall not exceed 47.8 tons during each consecutive 12-month period.

### # 008 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

Emissions of oxides of nitrogen, expressed as NO<sub>2</sub>, from the Cumberland Mine Coal Preparation Plant shall not exceed 19 tons during each consecutive 12-month period, updated monthly. (25 Pa. Code § 127.441)

[This emission limit was in accordance with RACT Operating Permit 30-000-040 and the emission reduction credit approval for the shutdown of the Thermal Dryer (Old Source ID 101). However, the Cumberland Mine Coal Processing Plant is now a minor source of NO<sub>x</sub> and VOC emissions and is not subject to RACT I (25 Pa. Code § 129.91 - § 129.95.) Per the August 27, 1990 letter from G. T. Helms, Chief Ozone/Carbon Monoxide Programs Branch, EPA, RACT emission requirements are "once in, always in," which means that emission limits, including this emission limit, continue to exist, even if the facility is no longer subject to RACT I.]

#### **Throughput Restriction(s).**

### # 009 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

The raw coal feed throughput of the Cumberland Mine Coal Preparation Plant shall not exceed 13,050,000 tons during each consecutive 12-month period, updated monthly. The raw coal feed rate is the rate of all material that is fed to the breaker building.

## II. TESTING REQUIREMENTS.

### # 010 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

The operators of the Cumberland Mine Coal Preparation Plant shall conduct upwind/downwind dustfall monitoring, should the Department request this sampling.

### # 011 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

If, at any time, the Department has cause to believe that air contaminant emissions from the sources listed in this Permit may be in excess of the limitations specified in, or established pursuant to the permittee's operating permit, the permittee may be required to conduct test methods and procedures deemed necessary by the Department to determine the actual



## SECTION C. Site Level Requirements

emissions rate. Such testing shall be conducted in accordance with Title 25 PA Code Chapter 139, where applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the company that testing is required.

### III. MONITORING REQUIREMENTS.

#### # 012 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

A facility-wide inspection shall be conducted at a minimum of once each day that sources at the facility are operating. The facility-wide inspection shall be conducted for the presence of the following:

1. Visible stack emissions;
2. Fugitive emissions; and
3. Potentially objectionable odors at the property line.

These observations are to ensure continued compliance with source-specific visible emission limitations, fugitive emissions prohibited under 25 Pa. Code § 123.1 or 25 Pa. Code § 123.2, and malodors prohibited under 25 Pa. Code § 123.31. Observations for visible stack emissions shall be conducted during daylight hours and all observations shall be conducted while sources are in operation. If any visible stack emissions, fugitive emissions, or potentially objectionable odors are apparent, the Owner/Operator shall take corrective action.

These observations determine whether, or not, these conditions exist. They do not quantify the level of existing conditions. Therefore, the observations for presence, or lack of, visible emissions do not require that they be performed by a person certified as a qualified observer for EPA Method 9 for Visual Determination of the Opacity of Emissions from Stationary Sources.

### IV. RECORDKEEPING REQUIREMENTS.

#### # 013 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

The permittee shall maintain records of all visible stack, fugitive emission, and potentially objectionable odors at the property line surveys, performed. The records shall include the date, time, name and title of the observer, whether emissions or malodors were observed, and any corrective action taken as a result.

#### # 014 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

The Owner/Operator shall maintain records of the following, on the following basis: monthly, and previous consecutive 12-month, updated monthly:

- a. Hours of operation of each process at the facility.
- b. Throughput of material for each process at the facility.
- c. Weight and description of material shipped from the facility by rail.
- d. Weight and description of material shipped from the facility by trucks.
- e. Weight of waste material from the preparation plant disposed on-site.
- f. Fuel use by each process at the facility.
- g. Amount of diesel fuel, other collectors, and frothing agents used in the wet wash circuit.
- h. Amount of dust suppressants used by each process at the facility.
- i. VOC emissions on a 12-month rolling basis.
- j. NOx emissions on a 12-month rolling basis.

Operation of water trucks, or Department approved alternate system, and sweeper trucks onsite shall also be recorded in a log. The record shall include date, time, area of operation, hours of operation of the water/sweeper truck and description of any maintenance to in plant roadways. In addition to any summary of these activities, this log itself shall be preserved as a record.



## SECTION C. Site Level Requirements

### # 015 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

The permittee shall maintain a log of all dust control and road maintenance activities. The log shall include a description of any maintenance activity to in-plant roadways and changes to dust control systems at any emission source.

### # 016 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

All logs and required records shall be maintained for a minimum of five years. These records must be kept on site for a minimum of two years. They may be stored at an alternative location acceptable to the Department, for the remaining time. All records shall be made available to the Department upon request.

### # 017 [25 Pa. Code §135.5]

#### **Recordkeeping**

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

## V. REPORTING REQUIREMENTS.

### # 018 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

(b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

1. name, permit or authorization number, and location of the facility,
2. nature and cause of the malfunction, emergency or incident,
3. date and time when the malfunction, emergency or incident was first observed,
4. expected duration of excess emissions,
5. estimated rate of emissions,
6. corrective actions or preventative measures taken.

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

(e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b) - (d), as applicable, including any permit specific malfunction reporting requirements.



## SECTION C. Site Level Requirements

(f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.

(g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report if the annual emissions inventory report is required by permit or authorization.

### # 019 [25 Pa. Code §135.3]

#### **Reporting**

(a) A person who owns or operates a source to which this chapter applies, and who has previously been advised by the Department to submit a source report, shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the preceding calendar year and sources modified during the same period which were not previously reported.

(b) - (c) N/A.

[The Cumberland Mine Coal Preparation Plant is a synthetic minor facility and the Owners/Operators of the Cumberland Mine Coal Preparation Plant are required to submit annual source reports.]

## VI. WORK PRACTICE REQUIREMENTS.

### # 020 [25 Pa. Code §123.1]

#### **Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from a source identified in 25 PA Code 123.1(a)(1)-(9) from becoming airborne. These actions shall include, but not be limited to, the following:

(c)(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.

### # 021 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

A pressurized water truck shall be available to the site and shall be used for dust suppression purposes. In-plant roads and areas of vehicle traffic shall be watered, as needed on a preventative basis, such that visible fugitive emissions do not cross the property line in accordance with Title 25 PA Code §123.1 and §123.2. When weather conditions make in-plant road watering hazardous, other methods of dust control shall be used, as necessary, to prevent prohibited visible fugitive emissions in accordance with Title 25 PA Code §123.1 and §123.2.

The pressurized water truck or other water spray system shall be capable of applying water to and suppressing fugitive dust from all coal storage and loading areas. Water spray systems shall be operated as necessary to control fugitive dust, as determined by weather conditions, coal moisture content and observation of fugitive emissions.

### # 022 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

Water spray systems, including the water truck, shall be maintained to be operable when coal is being processed at the plant. This may necessitate the use of winterizing agents, heat tracing of storage vessels, supply lines, spray heads, or other measures. If a system segment becomes temporarily inoperable, the facility may continue to process coal, provided repair is made as soon as reasonably possible and fugitive emissions are in compliance with 25 Pa. Code §§123.1 and 123.2.



## SECTION C. Site Level Requirements

### # 023 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

The permittee shall use existing or man-made wind barriers, where possible, to prevent fugitive emissions from crossing the property line.

### # 024 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

The water spray systems (such as rain birds or a pressurized water truck) shall be capable of applying water to and suppressing fugitive dust from all coal storage and loading areas. The water spray system shall be operated as necessary to control fugitive dust, as determined by weather conditions, coal moisture content and observation of fugitive emissions.

### # 025 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

All air emission processes and emission control devices shall be operated and maintained in accordance with manufacturer's specification and good air pollution and engineering practices.

## VII. ADDITIONAL REQUIREMENTS.

### # 026 [25 Pa. Code §123.42]

#### **Exceptions**

Limitations of opacity 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 § 123.1 (a)(1)-(9) (relating to prohibition of certain fugitive emissions).
- (4) N/A.

### # 027 [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 devices approved by the Department.

### # 028 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

Mass emissions may be determined using engineering calculations based on fuel and raw material purchase records, manufacturers specifications, AP-42 emission factors, source test results, operating records, material balance methods, and/or other applicable methods with written Departmental approval.

### # 029 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

Sources at this facility are subject to 40 CFR Part 60, Subpart A - General Provisions, 40 CFR Part 60, Subpart Y - New Source Performance Standards for Coal Preparation Plants and 40 CFR 40 CFR Part 60, Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

Owner/operator shall comply with all applicable notification and reporting requirements contained in 40 CFR 60, Subparts A Y, and III. In accordance with 40 CFR 60.4, copies of all requests, reports, applications, submittals and other communications shall be forwarded to both EPA and the Department at the addresses listed below unless otherwise noted:



## SECTION C. Site Level Requirements

Director, Air, Toxics, and Radiation PA Department of Environmental Protection  
Environmental Protection Agency Regional Air Quality Program Manager  
Region III 400 Waterfront Drive  
Office of Air Quality Pittsburgh, PA 15222-4745  
1650 Arch Street  
Philadelphia, PA 19103

**# 030 [25 Pa. Code §129.14]**

**Open burning operations**

(a) AIR BASINS. N/A.

(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) Any 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 the structure.

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

(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) N/A.



## SECTION C. Site Level Requirements

(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).

(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 that chapter.

[The Cumberland Mine Coal Preparation Plant is not located in an air basin.]

### # 031 [25 Pa. Code §135.4]

#### Report format

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

## VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to State Only General Requirements).

## IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.



## SECTION D. Source Level Requirements

Source ID: 102

Source Name: WET WASH CIRCUIT

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G01



### I. RESTRICTIONS.

#### Throughput Restriction(s).

**# 001 [25 Pa. Code §127.441]**

##### Operating permit terms and conditions.

The owner/operator shall use no more diesel fuel, frother, coagulant, or any other material whose sum of VOC content totals any greater than 45.9 tons, during each consecutive 12-month period.

[Demonstration of compliance with this condition is accomplished by fulfilling the monitoring and recordkeeping conditions in Section C of this permit.

On December 19, 2001, a test result to determine the portion of diesel fuel that is volatile was presented to the Owner/Operator of the Cumberland Mine Coal Preparation Plant. The company had commissioned this test to determine emissions of VOC from Source ID 104. EPA Reference Test Method 24A - Publication Rotogravure Inks and Related Publication Rotogravure Coatings was selected, with the drying temperature modified to room temperature. The test resulted in 12.3% of the diesel fuel being VOCs.]

### II. TESTING REQUIREMENTS.

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



## SECTION D. Source Level Requirements

### VII. ADDITIONAL REQUIREMENTS.

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



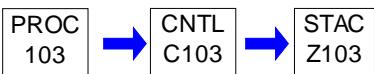
## SECTION D. Source Level Requirements

Source ID: 103

Source Name: TRANSFER OPERATIONS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G01



### I. RESTRICTIONS.

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

### VI. WORK PRACTICE REQUIREMENTS.

#### # 001 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

Stacking tubes must be used when transferring coal to the raw coal stockpile, except where raw coal system mechanical issues require the temporary and infrequent use of bypass chutes, necessary in order to avoid the shutdown of underground mining operations. Regardless of how coal is transferred to any stockpile, fugitive emissions shall remain in compliance with 25 Pa. Code §§123.1 and 123.2.

#### # 002 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

All outside conveyer belts shall be partially enclosed. 1/2 enclosures (90 Degrees) will be employed for 72" conveyers, while 3/4 (135 Degrees) enclosures shall be used for all other outside conveyer systems. Fugitive emissions from transfer operations will be prevented either through full enclosure, water sprays, coal moisture content, or other equivalent means.

Regardless of how conveyors are enclosed, system fugitive emissions shall remain in compliance with 25 Pa. Code §§ 123.1 and 123.2 or the Department may require additional controls.

#### # 003 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

All front-end loaders and other equipment used to transfer and load coal shall maintain a minimal amount of drop from the front-end loader into bins or trucks to minimize fugitive emissions.



## SECTION D. Source Level Requirements

### VII. ADDITIONAL REQUIREMENTS.

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



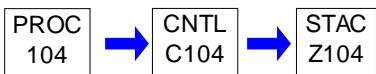
## SECTION D. Source Level Requirements

Source ID: 104

Source Name: COAL STORAGE OPERATIONS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G01



### I. RESTRICTIONS.

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



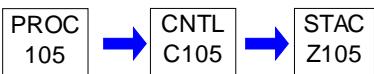
## SECTION D. Source Level Requirements

Source ID: 105

Source Name: BREAKING & SCREENING

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G01



### I. RESTRICTIONS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 001 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Breakers and screens at the Cumberland Mine Coal Processing Plant shall be enclosed.

### VII. ADDITIONAL REQUIREMENTS.

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

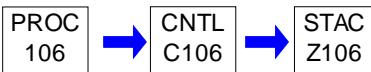


## SECTION D. Source Level Requirements

Source ID: 106

Source Name: PLANT ROADWAYS

Source Capacity/Throughput:



### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

#### # 001 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

A road sweeper acceptable to the Department shall be available to the site. This sweeper shall be used, as needed on a preventative basis, on all access roads, including the first 250 feet of public highway abutting plant entrances such that visible fugitive emissions do not cross the property line in accordance with 25 Pa. Code §§123.1 and 123.2.

#### # 002 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

Road dust on all unpaved roads shall be controlled using water or dust suppressants acceptable to the Department. The permittee shall obtain Departmental approval prior to using any chemical suppressants.

#### # 003 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

The permittee shall post the following:

(a) A speed limit of 15 miles per hour or less on all in-plant roads; and

(b) A requirement stating all loaded coal trucks shall be properly tarpaulin covered.

#### # 004 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

a. Unpaved plant roadways must be delineated by paving or periodic chipping.



## SECTION D. Source Level Requirements

b. All roads shall be maintained on an as needed basis acceptable to the Department to prevent fugitive emissions contrary to the requirements of 25 Pa. Code §§123.1 and 123.2.

## VII. ADDITIONAL REQUIREMENTS.

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

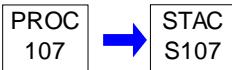


## SECTION D. Source Level Requirements

Source ID: 107

Source Name: UNIT HEATERS

Source Capacity/Throughput:



### I. RESTRICTIONS.

#### Emission Restriction(s).

##### # 001 [25 Pa. Code §123.11]

###### Combustion units

(a) A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of the following:

(1) The rate of 0.4 pound per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.

(2) The rate determined by the following formula:

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

where

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

E = Heat input to the combustion unit in millions of BTUs per hour,

when E is equal to or greater than 50 but less than 600.

(3) The rate of 0.1 pounds per million Btu of heat input when the heat input to the combustion unit in millions of Btus per hour is equal to or greater than 600.

(b) N/A.

##### # 002 [25 Pa. Code §123.22]

###### Combustion units

(a) Nonair basin areas. Combustion units in nonair basin areas must conform with the following:

(1) General provision. A person may not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over a 1-hour period...

(2) - (4) N/A.

(b) - (f) N/A.

(g) Recordkeeping and reporting.

(1) Beginning with the refinery owner or operator who sells or transfers commercial fuel oil into or within this Commonwealth for use in this Commonwealth and ending with the ultimate consumer, each time the physical custody of, or title to, a shipment of commercial fuel oil changes hands, the transferor shall provide to the transferee an electronic or paper record described in this paragraph. This record must legibly and conspicuously contain the following information:

(i) The date of the sale or transfer.

(ii) The name and address of the transferor.

(iii) The name and address of the transferee.



## SECTION D. Source Level Requirements

- (iv) The volume of commercial fuel oil being sold or transferred.
- (v) The identification of the sulfur content of the shipment of commercial fuel oil, determined using the sampling and testing methods specified in subsection (f)(1), expressed as one of the following statements:
  - (A) For a shipment of No. 2 and lighter commercial fuel oil:
    - (I) N/A.
    - (II) On and after September 1, 2020—"The sulfur content of this shipment is 15 ppm or below."
  - (B) - (C) N/A.
- (vi) The location of the commercial fuel oil at the time of transfer.
- (vii) Except for a transfer to a truck carrier, an owner or operator of a retail outlet or an ultimate consumer, the transferor may substitute the information required under subparagraphs (i)—(vi) with the use of a product code if the following are met:
  - (A) The product code includes the information required under subparagraphs (i)—(vi).
  - (B) The product code is standardized throughout the distribution system in which it is used.
  - (C) Each downstream party is given sufficient information to know the full meaning of the product code.
- (2) - (4) N/A.
- (5) The ultimate consumer shall maintain in electronic or paper format the record containing the information listed in paragraph (1), except in either of the following situations:
  - (i) - (ii) N/A.
  - (h) Written request. The written request for suspension of or increase in the sulfur content limit on the basis that compliant commercial fuel oil is not reasonably available shall be addressed to the Department of Environmental Protection, Bureau of Air Quality, Chief of the Division of Compliance and Enforcement, P. O. Box 8468, Harrisburg, Pennsylvania 17105-8468.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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



## 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 (State Only General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

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

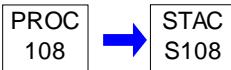


## SECTION D. Source Level Requirements

Source ID: 108

Source Name: THREE EMERGENCY DIESEL GENERATOR ENGINES

Source Capacity/Throughput:



### I. RESTRICTIONS.

#### Operation Hours Restriction(s).

**# 001 [25 Pa. Code §127.441]**

##### Operating permit terms and conditions.

The hours of operation of each of the Emergency Diesel Generator Engines (Source ID 108) shall not exceed 500 hours during any consecutive 12-month period, updated monthly.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

**# 002 [25 Pa. Code §127.441]**

##### Operating permit terms and conditions.

The permittee shall maintain records containing, at a minimum, a producer or supplier certification of that the fuel oil used by these engines complies with the requirements of 40 CFR 80.510(b) for nonroad diesel fuel.

**# 003 [25 Pa. Code §127.441]**

##### Operating permit terms and conditions.

The permittee shall maintain records of the times, hours, and purposes of operation of each of these Emergency Generators on a monthly and previous 12-month period basis, updated monthly.

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]**

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

**What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) N/A.

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

(c) - (j) N/A.



## 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 (State Only General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

#### # 005 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

Each of the Emergency Generators shall be equipped with a properly maintained, non-resettable, hour meter.

### VII. ADDITIONAL REQUIREMENTS.

#### # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]

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

###### Am I subject to this subpart?

(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) and other persons as specified in paragraphs (a)(1) through (4) 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) N/A.

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

(i) Manufactured after April 1, 2006, and are not fire pump engines, or

(ii) N/A.

(3) N/A.

(b) - (e) N/A.

#### # 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4202]

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

###### What emission standards must I meet for emergency engines if I am a stationary CI internal combustion engine manufacturer?

(a) Stationary CI internal combustion engine manufacturers must certify their 2007 model year and later emergency stationary CI ICE with a maximum engine power less than or equal to 2,237 KW (3,000 HP) and a displacement of less than 10 liters per cylinder that are not fire pump engines to the emission standards specified in paragraphs (a)(1) through (2) of this section.

(1) N/A.

(2) For engines with a rated power greater than or equal to 37 KW (50 HP), the Tier 2 or Tier 3 emission standards for new nonroad CI engines for the same rated power as described in 40 CFR part 1039, appendix I, for all pollutants and the smoke standards as specified in 40 CFR 1039.105 beginning in model year 2007.

(b) - (h) N/A.

[All three of the Emergency Diesel Generator Engines are 2016 model year, cylinder, 864-bhp or 713-bhp engines. The applicable requirements of 40 CFR part 1039, Appendix I and 40 CFR 1039.105 are:

40 CFR Part 1039 Appendix I - Summary of Previous Emission Standards, which EPA originally adopted under 40 CFR part



## SECTION D. Source Level Requirements

89, apply to nonroad compression-ignition engines produced before the model years specified in § 1039.1.

The 864-hp emergency engine at this facility are subject to the Tier 2 Emission Standards, which are as follows:

Rated power (kW)	Starting model year	NOX+NMHC	CO	PM
...				
kW > 560	2006	6.4	3.5	0.20

The 713-hp emergency engines at this facility are subject to the Tier 3 Emission Standards, which are as follows:

Rated power (kW)	Starting model year	NOX+NMHC	CO	PM
...				
130 <= kW = 560	2006	4.0	3.5	0.20

40 CFR § 1039.105 - What smoke opacity standards must my engines meet?:

- (a) N/A
- (b) Measure smoke opacity as specified in § 1039.501(c). Smoke opacity from your engines may not exceed the following standards:
  - (1) 20 percent during the acceleration mode;
  - (2) 15 percent during the lugging mode; and
  - (3) 50 percent during the peaks in either the acceleration or lugging modes.]

### # 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]

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

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

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

### # 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]

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

**How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?**

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

### # 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]

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

**What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

- (a) N/A.



## SECTION D. Source Level Requirements

(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 1090.305 for nonroad diesel fuel, ....

(c) - (e) N/A.

[The requirements of 40 CFR 1090.305 are:

(a) Overview. Except as specified in § 1090.300(a), diesel fuel must meet the ULSD per-gallon standards of this section.

(b) Sulfur standard. Maximum sulfur content of 15 ppm.

(c) Cetane index or aromatic content. Diesel fuel must meet one of the following standards:

(1) Minimum cetane index of 40.

(2) Maximum aromatic content of 35 volume percent.

### # 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]

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

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

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

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

(b) N/A.

### # 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]

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

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

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

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

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

(3) Meet the requirements of 40 CFR part 1068, as they apply to you.

(b) N/A.

(c) If you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in ... §60.4205(b), ... you must comply by purchasing an engine certified to the emission standards in ... §60.4205(b) ..., as applicable, for the same model year and maximum ... engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section.

(d) - (e) N/A.

(f) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (f)(1) through (3) of this section. In order for the engine to be considered an emergency



## SECTION D. Source Level Requirements

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

(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 (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

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

(ii) - (iii) [Reserved]

(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 ... provided in paragraph (f)(2) of this section. ... the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) - (ii) N/A.

(g) - (h) N/A.

### # 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4219]

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

##### What definitions apply to this subpart?

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

...

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

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

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

(3) N/A.

...



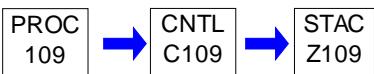
## SECTION D. Source Level Requirements

Source ID: 109

Source Name: PLATE PRESS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G01



### I. RESTRICTIONS.

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



## SECTION E. Source Group Restrictions.

Group Name: G01

Group Description: 40 CFR Part 60, Subpart Y - Standards of Performance for Coal Preparation and Processing Plants

Sources included in this group

ID	Name
102	WET WASH CIRCUIT
103	TRANSFER OPERATIONS
104	COAL STORAGE OPERATIONS
105	BREAKING & SCREENING
109	PLATE PRESS

### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

#### # 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.250]

##### Subpart Y - Standards of Performance for Coal Preparation Plants

###### Applicability and designation of affected facility.

(a) The provisions of this subpart apply to affected facilities in coal preparation and processing plants that process more than 181 megagrams (Mg) (200 tons) of coal per day.

(b) The provisions in §§ 60.251, 60.252(a), 60.253(a), 60.254(a), 60.255(a), and 60.256(a) of this subpart are applicable to any of the following affected facilities that commenced construction, reconstruction or modification after October 27, 1974, and on or before April 28, 2008: Thermal dryers, pneumatic coal-cleaning equipment (air tables), coal processing and conveying equipment (including breakers and crushers), and coal storage systems, transfer and loading systems.

(c) N/A.

(d) The provisions in §§ 60.251, 60.252(b)(1) through (3), and (c), 60.253(b), 60.254(b) and (c), 60.255(b) through (h), 60.256(b) and (c), 60.257, and 60.258 of this subpart are applicable to any of the following affected facilities that commenced construction, reconstruction or modification after May 27, 2009: Thermal dryers, pneumatic coal-cleaning equipment (air tables), coal processing and conveying equipment (including breakers and crushers), coal storage



## SECTION E. Source Group Restrictions.

systems, transfer and loading systems, and open storage piles.

### # 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.251]

#### Subpart Y - Standards of Performance for Coal Preparation Plants

##### Definitions.

As used in this subpart, all terms not defined herein have the meaning given them in the Clean Air Act (Act) and in subpart A of this part.

(a) - (b) N/A.

(c) Bituminous coal means solid fossil fuel classified as bituminous coal by ASTM D388 (incorporated by reference - see § 60.17).

(d) Coal means:

(1) For units constructed, reconstructed, or modified on or before May 27, 2009, all solid fossil fuels classified as anthracite, bituminous, subbituminous, or lignite by ASTM D388 (incorporated by reference— see § 60.17).

(2) N/A.

(e) Coal preparation and processing plant means any facility (excluding underground mining operations) which prepares coal by one or more of the following processes: breaking, crushing, screening, wet or dry cleaning, and thermal drying.

(f) Coal processing and conveying equipment means any machinery used to reduce the size of coal or to separate coal from refuse, and the equipment used to convey coal to or remove coal and refuse from the machinery. This includes, but is not limited to, breakers, crushers, screens, and conveyor belts. Equipment located at the mine face is not considered to be part of the coal preparation and processing plant.

(g) Coal refuse means waste products of coal mining, physical coal cleaning, and coal preparation operations ( e.g. culm, gob, etc. ) containing coal, matrix material, clay, and other organic and inorganic material.

(h) Coal storage system means any facility used to store coal except for open storage piles.

(i) - (l) N/A.

(m) Open storage pile means any facility, including storage area, that is not enclosed that is used to store coal, including the equipment used in the loading, unloading, and conveying operations of the facility.

(n) - (r) N/A.

(s) Transfer and loading system means any facility used to transfer and load coal for shipment.

### # 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.258]

#### Subpart Y - Standards of Performance for Coal Preparation Plants

##### Reporting and recordkeeping.

(a) The owner or operator of a coal preparation and processing plant that commenced construction, reconstruction, or modification after April 28, 2008, shall maintain in a logbook (written or electronic) on-site and make it available upon request. The logbook shall record the following:

(1) The manufacturer's recommended maintenance procedures and the date and time of any maintenance and inspection activities and the results of those activities. Any variance from manufacturer recommendation, if any, shall be noted.

(2) The date and time of periodic coal preparation and processing plant visual observations, noting those sources with visible emissions along with corrective actions taken to reduce visible emissions. Results from the actions shall be noted.

**SECTION E. Source Group Restrictions.**

(3) The amount and type of coal processed each calendar month.

(4) The amount of chemical stabilizer or water purchased for use in the coal preparation and processing plant.

(5) Monthly certification that the dust suppressant systems were operational when any coal was processed and that manufacturer's recommendations were followed for all control systems. Any variance from the manufacturer's recommendations, if any, shall be noted.

(6) - (10) N/A.

(b) - (d) N/A.



30-00040

IRON CUMBERLAND LLC/CUMBERLAND MINE



## SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.



30-00040

IRON CUMBERLAND LLC/CUMBERLAND MINE



## SECTION G. Emission Restriction Summary.

Source Id	Source Description
-----------	--------------------

### Site Emission Restriction Summary

Emission Limit	Pollutant
47.800 Tons/Yr	VOC
19.000 Tons/Yr	NOX



## **SECTION H. Miscellaneous.**

This State Only Operating Permit (SOOP) authorizes Iron Cumberland LLC to operate a Coal Preparation Plant at their Cumberland Mine Coal Preparation Plant, located in Whiteley Township, Greene County. The facility primarily receives coal by conveyer from the Cumberland Mine, screens coal, stores the coal, and loads trucks with coal for delivery.

The Caterpillar C15 Engines that make up Source ID are identified by the following information:

	Engine 1	Engine 2	Engine 3
Engine Serial Number	FTE02966	FTE02765	FTE02961
Rating (kW / hp)	532 / 713	644 / 864	532 / 713
Manufacture Date	08/2016	03/2016	08/2016
Serial Number	CAT00C15TNAP01485	CAT00C15TNAP01194	CAT00C15PNAP01486

Insignificant Sources at the Facility are as follows:

#### 1. Electric and/or Natural Gas-Fired Space Heaters - smaller units (< 500,000 Btu/hr) used for building heat throughout plant

## 2. Multiple Aboveground Storage Tanks Storage Configuration

a) low vapor pressure storage	fixed roof steel
diesel fuel	fixed roof steel
glycol based freeze-proofing agent	fixed roof steel
heating oil	fixed roof steel
used oils	fixed roof steel
dust suppressant	fixed roof steel
kerosene	fixed roof steel
caustic soda	fixed roof plastic
chemical coal cleaning additives	fixed roof plastic
defoamer	fixed roof plastic
sodium hypochlorite	fixed roof plastic

b) other

gasoline (limited vehicle fueling) fixed roof stee

(any gasoline AST 2,000 gal capacity will be maintained in accordance with the pressure relief requirements of PA Code Chapter 127.57)

### 3. Fuel Dispensing Operations

It is the policy of the Department's SW Air Quality Program is that the removal of permitted sources must be reported to the Department by submittal of a Request for Determination (RFD) or a request for a permit action. This means that when any of the engines comprising Source ID 108, is either taken from service or moved away from the 1/4 mile proximity of the preparation plant, the change must be reported. Should an engine be added within 1/4 mile of the coal preparation plant, 25 Pa. Code §127.14(a)(8) may be applicable. This paragraph authorizes:

"6. Internal combustion engines regardless of size, with combined NOx emissions less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tpy on a 12-month rolling basis for all exempt engines at the site";

"To be exempt from the Plan Approval requirements of §§ 127.11 and 127.12." (Air Quality Permit Exemptions [Doc. 275-2101-003, August 8, 2018]);

If NOx emissions from the added engine exceed any of these rates, it is necessary for the Department to issue a Plan Approval to authorize its operation. Should the engine be able to meet all of its requirements, General Plan Approval and/or General Operating Permit BAQ-GPA/GP-12 - Fugitive Dust Sources and Diesel Fired Internal Combustion (IC) Engines at Coal and Coal Refuse Preparation Plants, may be used to authorize operation of the engine.



\*\*\*\*\* End of Report \*\*\*\*\*