



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

STATE ONLY OPERATING PERMIT

Issue Date: March 13, 2020

Effective Date: March 13, 2020

Expiration Date: March 12, 2025

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: 49-00036

Synthetic Minor

Federal Tax Id - Plant Code: 52-1073681-1

Owner Information

Name: ANTHRACITE IND INC
Mailing Address: 610 ANTHRACITE RD
SUNBURY, PA 17801-0112

Plant Information

Plant: ANTHRACITE IND/SUNBURY PLT
Location: 49 Northumberland County 49931 Upper Augusta Township
SIC Code: 3295 Manufacturing - Minerals, Ground Or Treated

Responsible Official

Name: LISA A HOOVER
Title: GENERAL MANAGER
Phone: (570) 286 - 2176

Permit Contact Person

Name: LISA A HOOVER
Title: GENERAL MANAGER
Phone: (570) 286 - 2176

[Signature] _____

MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



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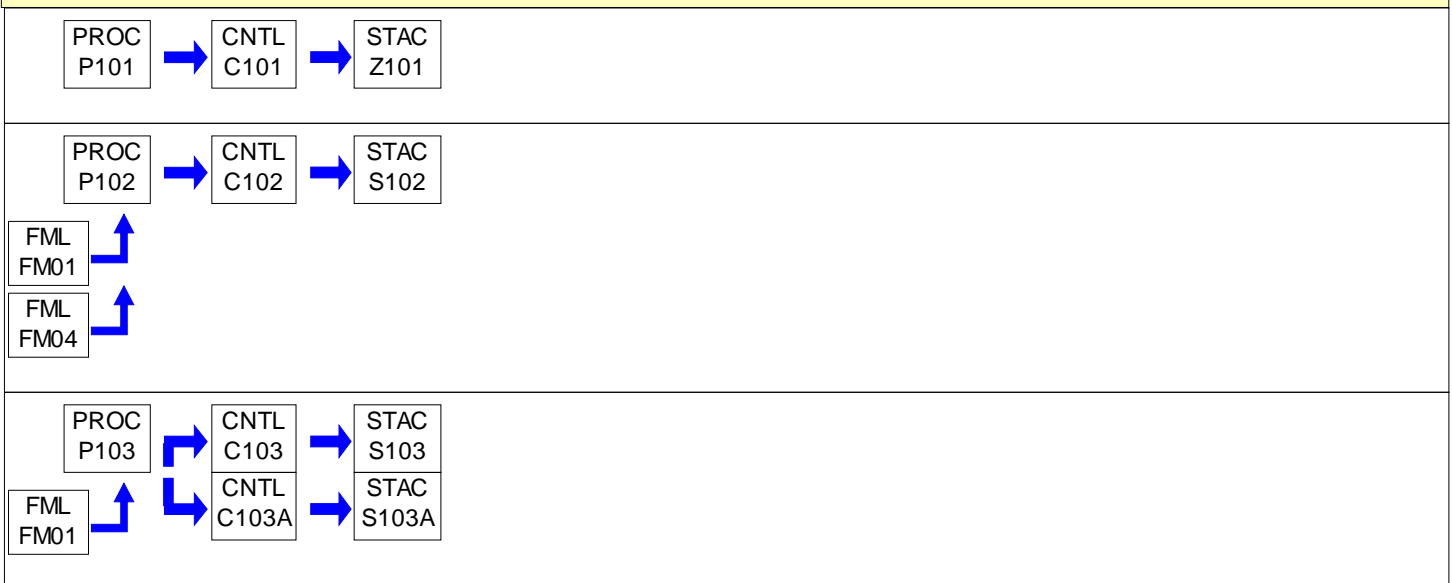
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
P101	MCLANAHAN SINGLE ROLL CRUSHER		
P102	ROTARY DRYER		
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P111	ACTIVATED CARBON SILO		
C101	ENCLOSURE AND/OR WATER SPRAY DUST SUPPRESSION SYSTEM		
C102	AEROPULSE 400-12 FABRIC COLLECTOR		
C103	GRIFFIN JA-150-BG FABRIC COLLECTOR		
C103A	MAC EQUIPMENT 144LST100 FABRIC COLLECTOR		
C104	CARTER-DAY 24RJ60 FABRIC COLLECTOR		
C104A	MIKROPULSAIRE 10B FABRIC COLLECTOR		
C104B	MIKROPULSAIRE 10B FABRIC COLLECTOR		
C104C	AMERPULSE 10-48-660 FABRIC COLLECTOR		
C104D	FABRI-PAK 8-36-396 FABRIC COLLECTOR		
C104E	FABRI-PULSE 12-48-770 FABRIC COLLECTOR		
C104F	GRIFFIN JV-36-9X FABRIC COLLECTOR		
C104G	MIKROPUL 2558-30 FABRIC COLLECTOR		
C106	MIKROPUL 10B FABRIC COLLECTOR		
C106A	MIKROPUL 10B FABRIC COLLECTOR		
C106B	MAC 96AVS16 STYLE II FABRIC COLLECTOR		
C106C	STACLEAN 64-12-DR FABRIC COLLECTOR		
C108	GRIFFIN JV-36-9X FABRIC COLLECTOR		
C109	ULTRA IND. BB121120IIIIG FABRIC COLLECTOR		
C110	MIKROPUL 37-6-100 FABRIC COLLECTOR		
C111	MAC EQUIP MAC96AVS16 FABRIC COLLECTOR		
FM01	PROPANE TANKS		
FM03	KEROSENE TANK		
FM04	NATURAL GAS		
S102	STACK FOR AEROPULSE 400-12 FABRIC COLLECTOR		
S103	STACK FOR GRIFFIN JA-150-BG FABRIC COLLECTOR		
S103A	STACK FOR MAC EQUIPMENT 144LST100 FABRIC COLLECTOR		
S104	STACK FOR CARTER-DAY 24RJ60 FABRIC COLLECTOR		

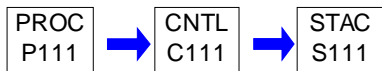
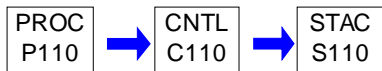
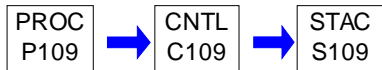
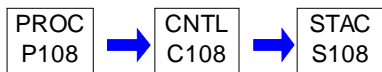
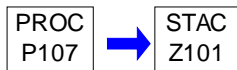
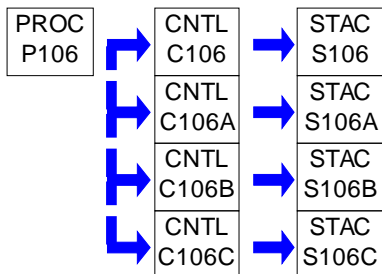
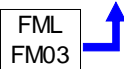
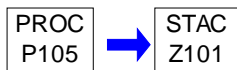
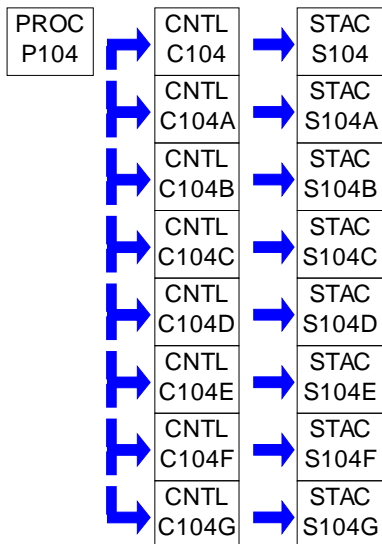
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S104A	STACK FOR MIKROPUL 10B FABRIC COLLECTOR		
S104B	STACK FOR MIKROPUL 10B FABRIC COLLECTOR		
S104C	STACK FOR AMERPULSE 10-48-660 FABRIC COLLECTOR		
S104D	STACK FOR FABRI-PAK 8-36-396 FABRIC COLLECTOR		
S104E	STACK FOR FABRI-PULSE 12-48-770 FABRIC COLLECTOR		
S104F	STACK FOR GRIFFIN JV-36-9X FABRIC COLLECTOR		
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S108	STACK FOR GRIFFIN JV-36-9X FABRIC COLLECTOR		
S109	STACK FOR ULTRA IND. BB121120IIIG FABRIC COLLECTOR		
S110	STACK FOR MIKROPUL 37-6-100 FABRIC COLLECTOR		
S111	STACK FOR MAC EQUIP MAC96AVS16 FABRIC COLLECTOR		
Z101	FUGITIVE EMISSIONS		

PERMIT MAPS



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)&(c)]**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 and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.
- (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 fees according to the following schedule specified in 25 Pa. Code § 127.703(b):
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension,

**SECTION B. General State Only Requirements**

modification, revision, renewal, and re-issuance of each operating permit or part thereof.

(b) The permittee shall pay an annual operating permit administrative fee according to the fee schedule established in 25 Pa. Code § 127.703(c).

(1) Two hundred fifty dollars for applications filed during the 1995-1999 calendar years.

(2) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(3) Three hundred seventy-five dollars for applications filed during the years beginning in 2005.

(c) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund".

#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

**SECTION B. General State Only Requirements**

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
- (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]**Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and

**SECTION B. General State Only Requirements**

significant operating permit modifications, under this permit, as outlined below:

(b) Administrative Amendments. The permittee shall make administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

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

(d) Permit modifications which do not qualify as minor permit modifications under 25 Pa. Code § 127.541 will be treated as a significant operating permit revision subject to the public notification procedures in §§ 127.424 and 127.425.

#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 NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

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

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

**SECTION B. General State Only Requirements**

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

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

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility 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)

**SECTION B. General State Only Requirements**

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

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

#015 [25 Pa. Code § 127.11]**Reactivation**

(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

**SECTION B. General State Only Requirements**

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.

#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.

**SECTION B. General State Only Requirements****#023 [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.

#024 [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 §123.1]****Prohibition of certain fugitive emissions**

The permittee shall not permit the emission into the outdoor atmosphere of fugitive air contaminants 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) Blasting in open pit mines. Emissions from drilling are not considered emission from blasting.
- (8) Sources and classes of sources other than those identified above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (a) The emissions are of minor significance with respect to causing air pollution,
 - (b) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

No person may permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in (1) through (8) of condition #001 herein if the emissions are visible at the point the emissions pass outside the person's property.

003 [25 Pa. Code §123.41]**Limitations**

No person may 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.

004 [25 Pa. Code §123.42]**Exceptions**

The emission limitations of 25 Pa Code Section 123.41 shall not apply when:

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

**SECTION C. Site Level Requirements****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The total combined emission of any single volatile hazardous air pollutant from the entire facility shall not equal or exceed 10 tons in any 12 consecutive month period and the total combined emission of all volatile hazardous air pollutants from the entire facility shall not equal or exceed 25 tons in any 12 consecutive month period.

The emissions particulate matter less than 10 microns in size (PM10) from the entire facility shall not equal or exceed 100 tons in any 12 consecutive month period.

II. TESTING REQUIREMENTS.**# 006 [25 Pa. Code §139.1]****Sampling facilities.**

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on a source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

007 [25 Pa. Code §139.11]**General requirements.**

(a) As specified in 25 Pa. Code Section 139.11(1), performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

(b) As specified in 25 Pa. Code Section 139.11(2), the Department will consider test results for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, as a minimum all of the following:

- (1) A thorough source description, including a description of any air cleaning devices and the flue.
- (2) Process conditions, for example, the charging rate of raw materials or the rate of production of final product, boiler pressure, oven temperature and other conditions which may affect emissions from the process.
- (3) The location of sampling ports.
- (4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO₂, O₂ and N₂), static and barometric pressures.
- (5) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
- (6) Laboratory procedures and results.
- (7) Calculated results.

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

Visible emissions may be measured using either of the following:

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

**SECTION C. Site Level Requirements****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall conduct a weekly inspection of the facility during daylight hours while the facility is operating to detect visible emissions, visible fugitive emissions and malodors. Weekly inspections are necessary to determine:

- (1) The presence of visible emissions.
- (2) The presence of visible fugitive emissions.
- (3) The presence of malodors beyond the boundaries of the facility.

(b) All detected visible emissions, visible fugitive emissions or malodors that have the potential to exceed applicable limits shall be reported to the manager of the facility.

IV. RECORDKEEPING REQUIREMENTS.**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall maintain a logbook of the facility inspections performed. The logbook shall include the name of the company representative performing the inspection, the date and time of inspections, any instances of exceedances of visible emissions limitations, visible fugitive emissions limitations and malodorous air emissions limitations, and the name of the manager informed if a potential exceedance is observed. The permittee shall also record any and all corrective action(s) taken to abate each recorded deviation to prevent future occurrences.

(b) All records generated pursuant to this condition shall be retained for a minimum of five years and shall be made available to the Department upon request.

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall keep accurate and comprehensive records of the total number of hours each source identified in this operating permit, except those incorporated into Source ID P105, operates on a monthly basis to demonstrate compliance with the annual hourly operational limitation expressed in the Site Level Section of this operating permit.

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

(a) The permittee shall maintain such records including computerized records as may be necessary to comply with 25 Pa. Code Section 135.3. These may include records of production, fuel usage, equipment maintenance records, or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

(b) All records generated pursuant to this condition shall be retained for a minimum of five years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall submit reports to the Department on an annual basis that include:

(1) the total number of hours each source identified in this operating permit, except those incorporated into Source ID P105, operates on a monthly basis to demonstrate compliance with the annual hourly operational limitation expressed in the Site Level Section of this operating permit.

(b) The annual reports shall be submitted to the Department by no later than March 1 of each year for the immediately preceding January 1 through December 31 time period.

**SECTION C. Site Level Requirements****# 014 [25 Pa. Code §127.442]****Reporting requirements.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.511]

(a) With the exception noted below, the permittee shall report malfunctions which occur at this facility to the Department. As defined in 40 CFR Section 60.2 and incorporated by reference in 25 Pa. Code Chapter 122, 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. Malfunctions that are not resulting in, or potentially resulting in, air contaminant emissions in excess of an applicable air contaminant emission limitation and/or are not resulting in, or potentially resulting in, noncompliance with any condition contained in this operating permit do not have to be reported. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(b) Failures that are caused in part by poor maintenance or careless operation shall be reported as excess emissions or deviations from the permit requirements.

(c) When the malfunction, excess emission or deviation from the permit requirements poses an imminent and substantial danger to the public health and safety or potential harm to the environment, the permittee shall notify the Department by telephone no later than one hour after the incident.

(d) Any malfunction, excess emission or deviation from the permit requirements that is not subject to the notice requirements of subsection (c) of this permit condition shall be reported to the Department within 24 hours of discovery. In notifying the Department, the permittee shall describe the following:

- (i) name and location of the facility;
- (ii) nature and cause of the malfunction or breakdown;
- (iii) time when the malfunction or breakdown was first observed;
- (iv) expected duration of excess emissions;
- (v) estimated rate of emissions; and
- (vi) corrective actions or preventative measures taken.

(e) The permittee shall notify the Department immediately when corrective measures have been accomplished.

(f) Upon the request of the Department, the permittee shall submit a full written report to the Regional Air Program Manager within 15 days of the malfunction, excess emission or deviation from the permit requirements.

015 [25 Pa. Code §135.3]**Reporting**

(a) A person who owns or operates a source to which 25 Pa. Code Chapter 135 applies, and who has previously been advised by the Department to submit an annual Air Information Management Systems (AIMS) report, shall submit by March 1 of each year an annual AIMS 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) A person who receives initial notification by the Department that an annual AIMS report is necessary shall submit an initial annual AIMS report within 60 days after receiving the notification or by March 1 of the year following the year for which the report is required, whichever is later.

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

**SECTION C. Site Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 016 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne as specified in 25 Pa. Code Section 123.1 subsection(s) (a)(1)-(7) or (a)(9). These actions shall include, but not be limited to, the following:

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

017 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the permittee electing this restriction]

- (a) The total number of hours each source identified in this operating permit shall not be operated in excess of 4500 hours in any 12 consecutive month period.
- (b) The above 4500-hour annual restriction does not apply to the sources listed under paragraph (k) in the Site Level Section, the sources listed under paragraph (l) in the Site Level Section, and the silo incorporated into Source P111 (see the Request for Determination dated September 13, 2019). Nor does it apply to the sources incorporated into Source ID P105.

VII. ADDITIONAL REQUIREMENTS.**# 018 [25 Pa. Code §121.7]****Prohibition of air pollution.**

No person may permit air pollution as that term is defined in the Pennsylvania Air Pollution Control Act (35 P.S. §§ 4001-4015).

019 [25 Pa. Code §123.31]**Limitations**

No person may 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.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

- (a) The air contaminant emissions from the Hardinge Ball Mill #1 10' x 48' shall be controlled by a Micropul 36-38-30 fabric collector #5 (equipment # 024-240) which shall exhaust indoors at all times.
- (b) The air contaminant emissions from the Hardinge Ball Mill #2 10' x 48' shall be controlled by a Fabric Filter Corp. model SQ36-8C fabric collector #6 (equipment # 025-250) which shall exhaust indoors at all times.
- (c) The air contaminant emissions from the following equipment:
 - (1) Jeffrey Hammermill
 - (2) Cedar Rapids Co. 200 hp Hammermill crusher
 shall be controlled by a Micro Pulse model 69835 fabric collector #16 (equipment # 031-320) which shall exhaust indoors at all times.
- (d) The air contaminant emissions from the following equipment:
 - (1) 10' Rotex Corp. screen #1

**SECTION C. Site Level Requirements**

- (2) 10' Rotex Corp. screen #2 shall be controlled by a Fabric Filter Corp. model SQ3683 fabric collector #9 (equipment # 031-311) which shall exhaust indoors at all times.
- (e) The air contaminant emissions from the following equipment:
(1) Wash blender (pug mill blender)
(2) blending elevator (014-126)
(3) St. Regis 101 paddle packer shall be controlled by a Flex Kleen model 58-CT-14 (equipment #014-124) blender fabric collector #1 which shall exhaust indoors at all times.
- (f) The air contaminant emissions from the #2 wash silo shall be controlled by a Flex Kleen model 58-CTBC-14-111 blender fabric collector #2 (equipment # 014-123) which shall exhaust indoors at all times.
- (g) The air contaminant emissions from the #3 wash silo shall be controlled by a Flex Kleen model 58-CTBC-14-111 blender fabric collector #3 (equipment # 014-122) which shall exhaust indoors at all times.
- (h) The air contaminant emissions from the following equipment:
(1) An in-house fabricated railcar unloading elevator
(2) An in-house fabricated railcar unloading screw
(3) An in-house fabricated sack/bag dumping station shall be controlled by a Fabric Filter Corp model SU64-8C fabric collector #15 (equipment #013-075) which shall exhaust indoors at all times.
- (i) The air contaminant emissions from the dual bins #1 and #2 shall be controlled by a Micropul Corp. model 36S.8.30 fabric collector (equipment #006-079) which shall exhaust indoors at all times.
- (j) The air contaminant emissions from the Midwest truck loading spout shall be controlled by a Micropul model 16S.8.30 fabric collector (equipment #006-083) which shall exhaust indoors at all times.
- (k) The air contaminant emissions from the following equipment:
(1) Roller mill operation consisting of a Raymond Mill dump bin
(2) Feed bin
(3) Elevator
(4) Feed screw shall be controlled by a Flex-Kleen model 84CT30 fabric collector #18 (equipment# 049-532) which shall exhaust indoors at all times.
- (l) The air contaminant emissions from the following equipment:
(1) Raymond Mill system
(2) Bagger
(3) Sack station shall be controlled by a Flex-Kleen model 84CT30 fabric collector #19 (equipment# 049-534) which shall exhaust indoors at all times.
- (m) The air contaminant emissions from the Limestone silo discharge screw shall be controlled by an Arrestal model AV74029 fabric collector (equipment# 013-078) which shall exhaust indoors at all times.
- (n) The indoor air contaminant shall be controlled by a Flex-Kleen model 84CT30III fabric collector #20 (equipment# 023-241) to remove dust from the air in the building that houses the Cedar Rapids Co. 200 hp Hammermill crusher. This collector shall exhaust indoors at all times.

021 [25 Pa. Code §129.14]**Open burning operations**

No person may permit the open burning of material at this facility unless in accordance with 25 Pa. Code Section 129.14.



SECTION C. Site Level Requirements

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.

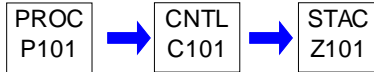
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: P101

Source Name: MCLANAHAN SINGLE ROLL CRUSHER

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.

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

Source P101 is a McLanahan model Rockmaster single roll crusher controlled by an enclosure and/or water spray dust suppression system (Control Device C101).

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

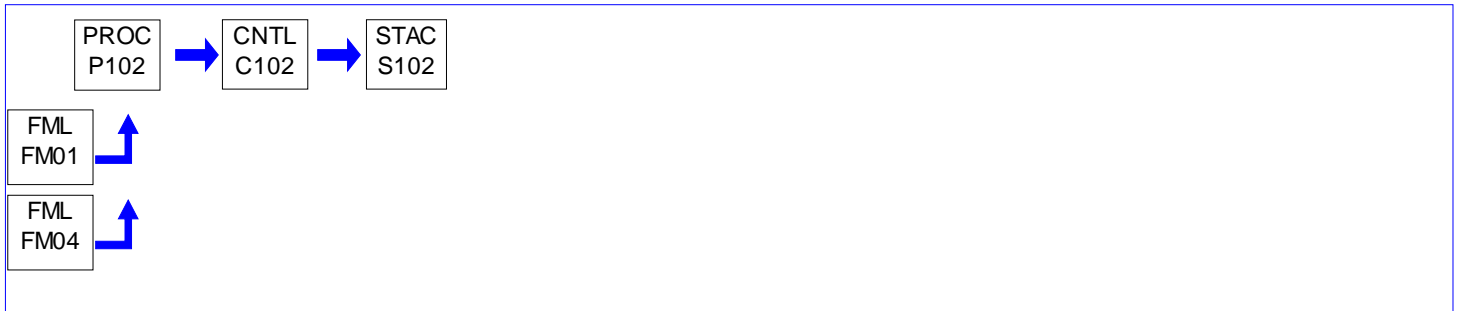
The water spray dust suppression system shall be operated on any and all occasions that Source P101 is operated, except in those unusual instances where conditions are such that operation of Source P101 without the simultaneous operation of the water spray dust suppression system can take place without creating air contaminant emissions in excess of the limitations specified in any applicable Department Rule or Regulation. If the water spray dust suppression system is incapable of operation due to weather conditions or any other reason, Source P101 shall not be operated at all.

**SECTION D. Source Level Requirements**

Source ID: P102

Source Name: ROTARY DRYER

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission of particulate matter into the outdoor atmosphere from Control Device C102, associated with Source P102, in excess of 0.04 grains per dry standard cubic foot of effluent gas volume.

002 [25 Pa. Code §123.21]

General

No person may permit the emission of sulfur oxides into the outdoor atmosphere from Source P102 such that the concentration of sulfur oxides, expressed as sulfur dioxide, in the effluent gas is in excess of 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source P102 shall only be fired on natural gas.

Operation Hours Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source P102 shall not be operated more than 4500 hours in any 12-consecutive month period.

Throughput Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall only use Source P102 to dry the following products at their respective drying rates:

- (1) Anthracite coal at a rate not to exceed 25 tons per hour,
- (2) Metallurgical coke at a rate not to exceed 15 tons per hour,
- (3) Petroleum coke at a rate not to exceed 20 tons per hour,
- (4) Artificial graphite at a rate not to exceed 20 tons per hour, and
- (5) Amorphous graphite at a rate not to exceed 20 tons per hour.

II. TESTING REQUIREMENTS.

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

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

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

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

(a) To demonstrate compliance with the throughput restriction for Source P102, the permittee shall maintain comprehensive accurate records of the drying rates for each of the products listed in the throughput restriction, any time Source P102 is operated.

(b) To demonstrate compliance with the operation hours restriction for Source P102, the permittee shall maintain comprehensive accurate records of the number of hours Source P102 is operated each month.

(c) All records generated pursuant to this condition shall be retained for a minimum of five years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for Control Device C102 in order to be able to immediately replace any bags requiring replacement.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall not operate Source P102 without the simultaneous operation of Control Device C102.

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

The handling and storage of the material collected in Control Device C102 shall not at any time result in the emission of fugitive air contaminants in excess of the limitations specified in 25 Pa. Code Section 123.1.

VII. ADDITIONAL REQUIREMENTS.**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) Source P102 is a 12 million Btu per hour natural gas fired Nooter Boiler Co. 8' x45' rotary dryer used for drying different types of carbon products.

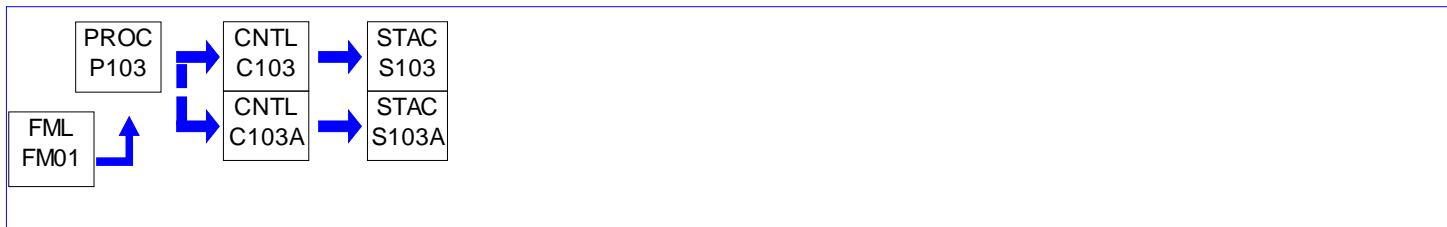
(b) The air contaminant emissions from Source P102 shall be controlled by an American Air Filter model 30 skimmer precleaner and an Aeropulse Inc. model 400-12 pulse jet cleaning fabric collector (equipment #005-050) (Control Device C102).

**SECTION D. Source Level Requirements**

Source ID: P103

Source Name: CARRIER AND CARMEN DRYERS

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission of particulate matter into the outdoor atmosphere from Control Devices C103 and C103A, both associated with Source P103, in excess of 0.04 grains per dry standard cubic foot of effluent gas volume.

002 [25 Pa. Code §123.21]

General

No person may permit the emission of sulfur oxides into the outdoor atmosphere from any combustion source incorporated in Source P103 such that the concentration of sulfur oxides, expressed as sulfur dioxide, in the effluent gas is in excess of 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P103 shall be fired only on natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Each fabric collector associated with Source P103 shall be equipped with instrumentation to monitor the pressure drop across the filter bags of the respective fabric collector on a continuous basis.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain comprehensive accurate records of the differential pressure drop across each fabric collector associated with Source P103 (to be recorded at least once per operating day).

(b) All records generated pursuant to this condition shall be retained for a minimum of five years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for each of the fabric collectors associated with Source P103 in order to be able to immediately replace any bags requiring replacement.

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

The permittee shall not operate Source P103 without the simultaneous operation of the respective fabric collector.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The handling and storage of the material collected in each fabric collector associated with Source P103 shall not at any time result in the emission of fugitive air contaminants in excess of the limitations specified in 25 Pa. Code Section 123.1.

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

A fabric collector preventative maintenance program shall be implemented to ensure the proper functioning of each fabric collector associated with Source P103 and the integrity of the collector bags at all times.

VII. ADDITIONAL REQUIREMENTS.**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source P103 consists of the following combustion sources:

(a) One 5.6 million Btu per hour natural gas-fired Carrier model QAD-48605-8 dryer controlled by a Griffin model JA-150-BG fabric collector #14 (equipment # 051-536) (Control Device C103).

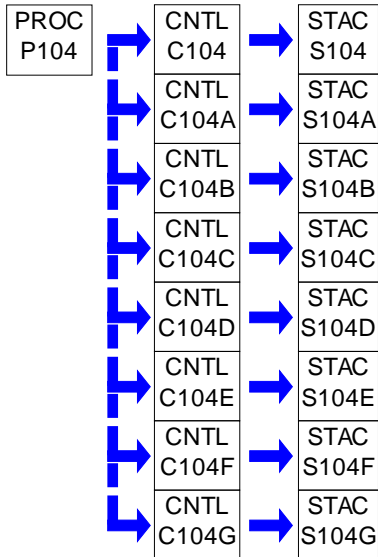
(b) One 2.8 million Btu per hour natural gas-fired Carmen model FBP422 dryer controlled by a MAC Equipment Co. model 144LST100 fabric collector #13 (equipment # 051-514) (Control Device C103A).

**SECTION D. Source Level Requirements**

Source ID: P104

Source Name: CARBON PRODUCTS PROCESSING EQUIPMENT

Source Capacity/Throughput:

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

No person may permit the emission of particulate matter into the outdoor atmosphere from Control Devices C104, C104A, C104B, C104C, C104D, C104E, C104F, and C104G all associated with Source P104, in excess of 0.04 grains per dry standard cubic foot of effluent gas volume.

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.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Each fabric collector associated with Source P104 shall be equipped with instrumentation to monitor the pressure drop across the filter bags of the respective fabric collector on a continuous basis.

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall maintain comprehensive accurate records of the differential pressure drop across each fabric collector associated with Source P104 (to be recorded at least once per operating day).

(b) All records generated pursuant to this condition shall be retained for a minimum of five years and shall be made available to the Department upon request.

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

The handling and storage of the material collected in the fabric collectors associated with Source P104, shall not at any time result in the emission of fugitive air contaminants in excess of the limitations specified in 25 Pa. Code Section 123.1.

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

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for each of the fabric collectors associated with Source P104 in order to be able to immediately replace any bags requiring replacement.

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

The permittee shall not operate any source incorporated in Source P104 without the simultaneous operation of the respective fabric collector.

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

The Midwest Engineering model D30-11-9-8 loading spout shall not be operated at the same time as the two St. Regis model 175 bag packers and McCain packer bagging room (008-078).

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

(a) Source P104 consists of the following sources:

- (1) Central plant vacuum system
- (2) Bag breaking station
- (3) Pallet cleaning station

The above air contaminant sources shall be controlled by a Carter-Day model 24RJ60 fabric collector #1 (equipment # 021-210) (Control Device C104).

- (4) #2 storage bin

The above air contaminant source shall be controlled by a Mikropulsaire model 10B bin vent #2 (equipment # 006-065) (Control Device C104A).

- (5) 3,280 cubic foot carbon products storage silo #1

The above air contaminant source shall be controlled by a Mikropulsaire model 10B bin vent #1 (equipment # 012-127) (Control Device C104B).

- (6) 16' diameter Sturtevant Mill Co. air separator

- (7) 14' diameter Sturtevant Mill Co. air separator

- (8) St. Regis Paper Co. valve bag packer

- (9) Bulk load out elevator

- (10) Tank truck loading operation

- (11) Bulk car/tank loading

- (12) Sack fill at 101 packer and bin

- (13) Main oversize bin

- (14) Main finish bin

The above air contaminant sources shall be controlled by an American Air Filter Amerpulse model 10-48-660 fabric collector #2 (equipment # 022-220) (Control Device C104C).

**SECTION D. Source Level Requirements**

- (15) Derrick model K36-120A-25DD vibrating screens and associated hammermill
- (16) Two St. Regis model 175 bag packers
- (17) McCain bag packer
- (18) Midwest Engineering model D30-11-9-8 loading spout and screw conveyor bulk truck loading system
- (19) Mill #1 silo discharge screw
- (20) Sack fill at breezeway
- (21) Sack fill at tube screw

The above air contaminant sources shall be controlled by an American Air Filter Fabri-Pak model 8-36-396 fabric collector #3 (equipment # 019-190) (Control Device C104D).

- (22) Bins #1 and #3 belt feeders
- (23) Garvarick Sheet Metal #1 bucket elevator
- (24) Garvarick Sheet Metal #1 storage bin
- (25) #1 Storage bin

The above air contaminant sources shall be controlled by an American Air Filter Fabri-Pulse model 12-48-770 fabric collector #4 (equipment # 020-200) (Control Device C104E).

- (26) #3 storage bin
- (27) #3 elevator

The above air contaminant sources shall be controlled by a Griffin Environmental model JV-36-9X fabric collector #7 (equipment # 026-260) (Control Device C104F).

- (28) Railroad car loadout operation

The above air contamination source shall be controlled by a Micropul model 2558-30 fabric collector (equipment # 010-099) (Control Device C104G).

**SECTION D. Source Level Requirements**

Source ID: P105

Source Name: COMBUSTION SOURCES < 2.5 MMBTU/HR

Source Capacity/Throughput:

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

No person may permit the emission of particulate matter into the outdoor atmosphere from any combustion source incorporated in Source P105, in excess of 0.04 grains per dry standard cubic foot of effluent gas volume.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission of sulfur oxides into the outdoor atmosphere from any combustion source incorporated in Source P105 such that the concentration of sulfur oxides, expressed as sulfur dioxide, in the effluent gas is in excess of 500 parts per million, by volume, dry basis.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (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.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source P105 consists of the following sources:

(1) Four kerosene-fired Ready Heater model M1505 portable heaters each rated at 0.15 million Btu per hour

**SECTION D. Source Level Requirements**

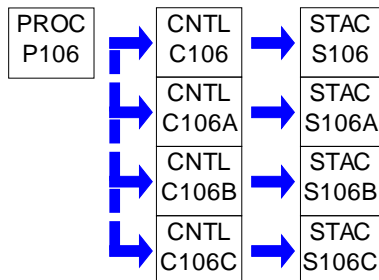
- (2) One 0.14 million Btu per hour kerosene-fired Ready Heater model 583.409040 portable heater
- (3) One 0.15 million Btu per hour kerosene-fired Ready Heater model R150B portable heater
- (4) One 0.03 million Btu per hour kerosene-fired Ready Heater model M30 portable heater

**SECTION D. Source Level Requirements**

Source ID: P106

Source Name: CARBON PRODUCT PROCESSING AND PELLETIZING EQUIPMENT

Source Capacity/Throughput:

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

No person may permit the emission of particulate matter into the outdoor atmosphere from Control Devices C106, C106A, C106B, and C106C all associated with Source P106, in excess of 0.04 grains per dry standard cubic foot of effluent gas volume.

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.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Each fabric collector associated with Source P106 shall be equipped with instrumentation to monitor the pressure drop across the filter bags of the respective fabric collector on a continuous basis.

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall maintain comprehensive accurate records of the differential pressure drop across each fabric collector associated with Source P106 (to be recorded at least once per operating day).

(b) All records generated pursuant to this condition shall be retained for a minimum of five years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

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

The handling and storage of the material collected in the fabric collectors associated with Source P106, shall not at any time result in the emission of fugitive air contaminants in excess of the limitations specified in 25 Pa. Code Section 123.1.

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

The permittee shall not operate any source incorporated in Source P106 without the simultaneous operation of the respective fabric collector.

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

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for each of the fabric collectors associated with Source P106 in order to be able to immediately replace any bags requiring replacement.

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

A fabric collector preventative maintenance program shall be implemented for each of the fabric collectors associated with Source P106 to ensure the proper functioning of the collectors and the integrity of the collector bags at all times.

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

(a) Source P106 consists of the following sources:

(1) 4,000 cubic foot raw material storage bin #2

The above air contaminant source shall be controlled by a Mikropul Mikropulsaire model 10B bin vent (equipment # 053-531) (Control Device C106).

(2) 5,300 cubic foot raw material storage bin #1

The above air contaminant source shall be controlled by a Mikropul Mikropulsaire model 10B bin vent (equipment # 053-530) (Control Device C106A).

(3) Bulk coke/graphite storage silo #3

The above air contaminant source shall be controlled by a MAC Equipment Co. model 96AVS16 Style II bin vent (equipment # 053-536) (Control Device C106B).

(4) Bag dump station

(5) Erich model R-15 mixer

(6) Silo #3 discharge belt to truckload

(7) Express Scale Parts, Inc. model NET-5GV 50 pound bag packer

(8) Bitterman Scale 2,500 pound supersack packer

(9) 18" x 71" Gough Econ-o-Lift elevator

The above air contaminant sources shall be controlled by a Staclean Diffuser model 64-12-DR fabric collector #12 (equipment # 051-516) (Control Device C106C).

(10) One California Pellet Mill model C100 pelletizer

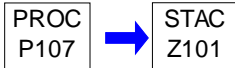
(11) One Canwall model CWR 1830-6-L conveyor

**SECTION D. Source Level Requirements**

Source ID: P107

Source Name: PARTS WASHERS

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from the permittee requesting this restriction]

The total combined volatile organic compound emissions from the solvent parts washers incorporated in Source P107 shall not equal or exceed 2.7 tons in any 12 consecutive month period.

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.

(a) The permittee shall maintain accurate and comprehensive records of the following information:

- (1) The identity of the solvent added to the parts washers each month.
- (2) The quantity of the solvent added to the parts washers each month..
- (3) The volatile organic compounds content, by weight, of the solvent added to the parts washers each month.

(b) All records generated pursuant to this condition shall be retained for a minimum of five years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The solvent used in the parts washers incorporated in Source P107 shall not have a volatile organic compounds content greater than 5%, by weight.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source P107 consists of the following remote reservoir solvent parts washers:

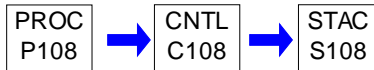
- (1) Gary Hills model PL422-A, 30 gallon capacity.
- (2) Kafko International model 57298, 25 gallon capacity.

**SECTION D. Source Level Requirements**

Source ID: P108

Source Name: BUTLER STORAGE BINS

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission of particulate matter into the outdoor atmosphere from Control Device C108, associated with Source P108, in excess of 0.04 grains per dry standard cubic foot of effluent gas volume.

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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall not operate any source incorporated in Source P108 without the simultaneous operation of Control Device C108.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The handling and storage of the material collected in Control Device C108 shall not at any time result in the emission of fugitive air contaminants in excess of the limitations specified in 25 Pa. Code Section 123.1.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for Control Device C108 in order to be able to immediately replace any bags requiring replacement.

VII. ADDITIONAL REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source P108 consists of two 3,500 cubic foot Butler model 9 x 45 bulk material silos and two dumping bins all of which are

**SECTION D. Source Level Requirements**

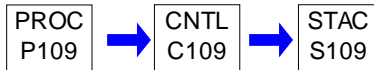
controlled by a Griffin Environmental model JV-36-9X fabric collector #10 (equipment # 031-314) (Control Device C108).

**SECTION D. Source Level Requirements**

Source ID: P109

Source Name: BULK BAG UNLOADER SYSTEM

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission of particulate matter into the outdoor atmosphere from Control Device C109 associated with Source P109, in excess of 0.04 grains per dry standard cubic foot of effluent gas volume.

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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The fabric collector associated with Source P109 shall be equipped with instrumentation to monitor the pressure drop across the filter bags of the respective fabric collector on a continuous basis.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain comprehensive accurate records of the differential pressure drop across the fabric collector associated with Source P109 (to be recorded at least once per operating day).

(b) All records generated pursuant to this condition shall be retained for a minimum of five years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The handling and storage of the material collected in the fabric collector associated with Source P109, shall not at any time result in the emission of fugitive air contaminants in excess of the limitations specified in 25 Pa. Code Section 123.1.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall not operate any source incorporated in Source P109 without the simultaneous operation of the respective fabric collector.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the fabric collector associated with

**SECTION D. Source Level Requirements**

Source P109 in order to be able to immediately replace any bags requiring replacement.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The fabric collector associated with Source P109 shall exhaust indoors at all times.

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Source P109 consists of the following sources:

- (1) Bulk Bag unloader
- (2) Enclosed screw conveyor from the unloader to the grinding chamber of the Mikro-ACM 75 Milling System
- (3) Pneumatic piping from the mill

The above air contaminant sources shall be controlled by an ULTRA Industries model BB121120IIIG fabric collector (Control Device C109) (equipment #022-230).

**SECTION D. Source Level Requirements**

Source ID: P110

Source Name: FOIL HAMMERMILL CRUSHER

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission of particulate matter into the outdoor atmosphere from Control Device C110 associated with Source P110, in excess of 0.04 grains per dry standard cubic foot of effluent gas volume.

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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The fabric collector associated with Source P110 shall be equipped with instrumentation to monitor the pressure drop across the filter bags of the respective fabric collector on a continuous basis.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain comprehensive accurate records of the differential pressure drop across the fabric collector associated with Source P110 (to be recorded at least once per operating day).

(b) All records generated pursuant to this condition shall be retained for a minimum of five years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The handling and storage of the material collected in the fabric collector associated with Source P110, shall not at any time result in the emission of fugitive air contaminants in excess of the limitations specified in 25 Pa. Code Section 123.1.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall not operate Source P110 without the simultaneous operation of the respective fabric collector.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the fabric collectors associated with Source P110 in order to be able to immediately replace any bags requiring replacement.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

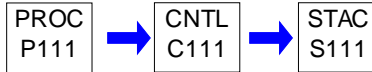
(a) Source P110 is a Foil hammermill crusher whose air contaminant emissions shall be controlled by a Mikropul model 37-6-100 fabric collector #21 (Control Device C110) (equipment #054-549).

**SECTION D. Source Level Requirements**

Source ID: P111

Source Name: ACTIVATED CARBON SILO

Source Capacity/Throughput:

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

No person may permit the emission of particulate matter into the outdoor atmosphere from Control Device C111, associated with Source P111, in excess of 0.04 grains per dry standard cubic foot of effluent gas volume.

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.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall not operate Source P111 without the simultaneous operation of Control Device C111.

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

The handling and storage of the material collected in Control Device C111 shall not at any time result in the emission of fugitive air contaminants in excess of the limitations specified in 25 Pa. Code Section 123.1.

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

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for Control Device C111 in order to be able to immediately replace any bags requiring replacement.

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

Source P111 consists of an activated carbon silo controlled by a Mac Equipment Co model MAC96AVS16 fabric collector (Control Device C111) (equipment #006-059).

**SECTION E. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.



SECTION F. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.



SECTION G. Miscellaneous.

The following air contaminant sources are considered to be of minor significance to the Department and have been determined to be exempt from permitting requirements. However, this determination does not exempt the sources from compliance with all applicable air quality regulations specified in 25 Pa. Code Chapters 121-145:

- One 100 gallon propane tank behind Warehouse 2
- One 500 gallon non-highway diesel fuel storage tank by the truck scales
- One 500 gallon non-highway gasoline storage tank by the truck scales
- One 100 gallon propane storage tank by the front warehouse
- One 275 gallon kerosene storage tank by the truck scales
- One 275 gallon heating fuel storage tank by the lab and garage
- One 275 gallon heating fuel tank inside the main plant



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