



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

**TITLE V/STATE OPERATING PERMIT**

Issue Date: April 23, 2025      Effective Date: January 7, 2026  
Revision Date: January 7, 2026      Expiration Date: April 22, 2030  
Revision Type: Modification

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

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

**TITLE V Permit No: 23-00047**

Federal Tax Id - Plant Code: 63-0673043-1

**Owner Information**

Name: EVONIK CORP  
Mailing Address: 1200 W FRONT ST  
CHESTER, PA 19013-3438

**Plant Information**

Plant: EVONIK CORP/CHESTER  
Location: 23      Delaware County      23001      Chester City  
SIC Code: 2819 Manufacturing - Industrial Inorganic Chemicals, Nec

**Responsible Official**

Name: MICHAEL OCBO  
Title: PLANT MGR  
Phone: (610) 990 - 8103      Email: Michael.Ocbo@evonik.com

**Permit Contact Person**

Name: CRAIG GAUTHIER  
Title: ESH MANAGER  
Phone: (610) 990 - 8137      Email: craig.gauthier@evonik.com

[Signature] \_\_\_\_\_  
JILLIAN A. GALLAGHER, SOUTHEAST REGION AIR PROGRAM MANAGER



## SECTION A. Table of Contents

### Section A. Facility/Source Identification

Table of Contents  
Site Inventory List

### Section B. General Title V Requirements

- #001 Definitions
- #002 Prohibition of Air Pollution
- #003 Property Rights
- #004 Permit Expiration
- #005 Permit Renewal
- #006 Transfer of Ownership or Operational Control
- #007 Inspection and Entry
- #008 Compliance Requirements
- #009 Need to Halt or Reduce Activity Not a Defense
- #010 Duty to Provide Information
- #011 Reopening and Revising the Title V Permit for Cause
- #012 Reopening a Title V Permit for Cause by EPA
- #013 Operating Permit Application Review by the EPA
- #014 Significant Operating Permit Modifications
- #015 Minor Operating Permit Modifications
- #016 Administrative Operating Permit Amendments
- #017 Severability Clause
- #018 Fee Payment
- #019 Authorization for De Minimis Emission Increases
- #020 Reactivation of Sources
- #021 Circumvention
- #022 Submissions
- #023 Sampling, Testing and Monitoring Procedures
- #024 Compliance Certification
- #025 Recordkeeping Requirements
- #026 Reporting Requirements
- #027 Operational Flexibility
- #028 Risk Management
- #029 Approved Economic Incentives and Emission Trading Programs
- #030 Permit Shield
- #031 Reporting
- #032 Report Format

### Section C. Site Level Title V Requirements

- C-I: Restrictions
- C-II: Testing Requirements
- C-III: Monitoring Requirements
- C-IV: Recordkeeping Requirements
- C-V: Reporting Requirements
- C-VI: Work Practice Standards
- C-VII: Additional Requirements
- C-VIII: Compliance Certification
- C-IX: Compliance Schedule

### Section D. Source Level Title V Requirements

- D-I: Restrictions
- D-II: Testing Requirements
- D-III: Monitoring Requirements
- D-IV: Recordkeeping Requirements
- D-V: Reporting Requirements



## SECTION A. Table of Contents

D-VI: Work Practice Standards  
D-VII: Additional Requirements

Note: These same sub-sections are repeated for each source!

### Section E. Source Group Restrictions

E-I: Restrictions  
E-II: Testing Requirements  
E-III: Monitoring Requirements  
E-IV: Recordkeeping Requirements  
E-V: Reporting Requirements  
E-VI: Work Practice Standards  
E-VII: Additional Requirements

### Section F. Alternative Operating Scenario(s)

F-I: Restrictions  
F-II: Testing Requirements  
F-III: Monitoring Requirements  
F-IV: Recordkeeping Requirements  
F-V: Reporting Requirements  
F-VI: Work Practice Standards  
F-VII: Additional Requirements

### Section G. Emission Restriction Summary

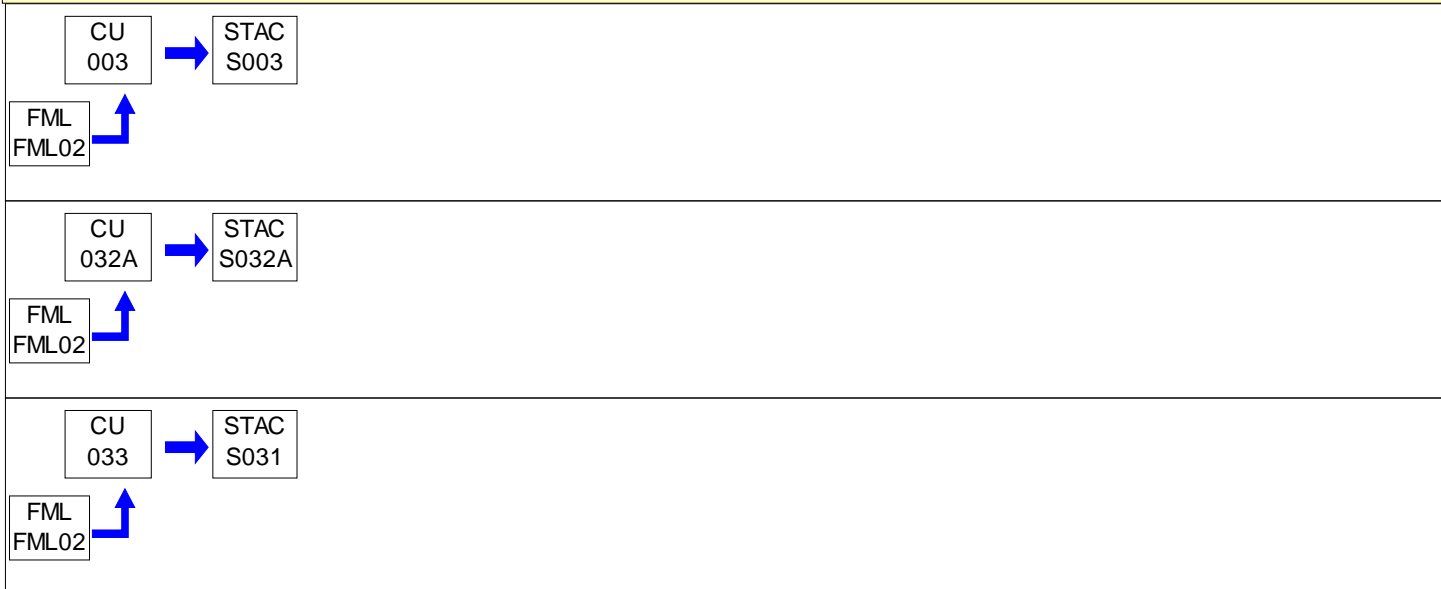
### Section H. Miscellaneous

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
003	STEAM GENERATOR NO.3 (708)	9.846 MMBTU/HR	
		9.850 MCF/HR	Natural Gas
032A	STEAM GENERATOR (BOILER/SUPER HEATER) 3651	9.735 MMBTU/HR	
		9.270 MCF/HR	Natural Gas
033	STEAM GENERATOR SE354 (715)	13.784 MMBTU/HR	
		13.784 MCF/HR	Natural Gas
101	LARGE SPRAY DRYER (#1) (510)	21.000 MMBTU/HR	
		5,100.000 Lbs/HR	AMORPHOUS PRECIPITA
		21.000 MCF/HR	Natural Gas
		252.000 Gal/HR	Propane
103A	STORAGE SILOS	20,200.000 Lbs/HR	AMORPHOUS PRECIPITA
103B	STORAGE SILO	7,000.000 Lbs/HR	AMORPHOUS PRECIPITA
107A	GRANULATING EQUIPMENT	7,800.000 Lbs/HR	AMORPHOUS PRECIPITA
107B	GRANULATING EQUIPMENT	3,200.000 Lbs/HR	AMORPHOUS PRECIPITA
107C	SILO AND GRANULATOR	7,100.000 Lbs/HR	AMORPHOUS PRECIPITA
108A	MILLING EQUIPMENT	12,180.000 Lbs/HR	AMORPHOUS PRECIPITA
109	SMALL SPRAY DRYER (#2) (806)	6.600 MMBTU/HR	
		6.600 MCF/HR	Natural Gas
		79.000 Gal/HR	Propane
		1,600.000 Lbs/HR	AMORPHOUS PRECIPITA
110	COLD PARTS CLEANER	N/A	SOLVENT NAPHTHA
112A	DRYER 3 (0548)	40.000 MMBTU/HR	
		480.000 Gal/HR	Propane
		6,500.000 Lbs/HR	AMORPHOUS PRECIPITA
		40.000 MCF/HR	Natural Gas
114	DRYER IV (3548)	7,000.000 Lbs/HR	AMORPHOUS PRECIPITA
		24.900 MCF/HR	Natural Gas
		275.000 Gal/HR	Propane
115	MILLING EQUIPMENT (3630)	4,400.000 Lbs/HR	AMORPHOUS SILICON DI
116	MILLING EQUIPMENT (3650)	440.000 Lbs/HR	AMORPHOUS SILICON DI
117	STORAGE SILO (3612)	4,400.000 Lbs/HR	SILICON DIOXIDE
C01	LARGE SPRAY DRYER (#1) DUST COLLECTOR (0511)		
C03A	STORAGE SILO DUST COLLECTORS		
C03B	STORAGE SILO (103B) DUST COLLECTOR		
C06A	MILLING EQUIPMENT DUST COLLECTORS		
C07B	GRANULATING EQUIPMENT (107B) DUST COLLECTOR		
C07C	SILO AND GRANULATOR (107C) DUST COLLECTOR		
C08A	GRANULATING EQUIPMENT DUST COLLECTORS		
C09	SMALL SPRAY DRYER (#2) DUST COLLECTOR		
C10	DRYER #3 DUST COLLECTOR		

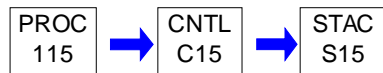
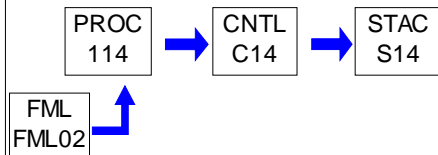
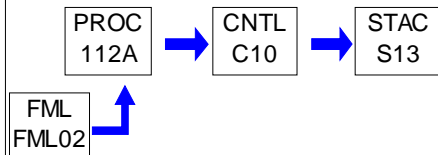
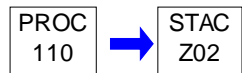
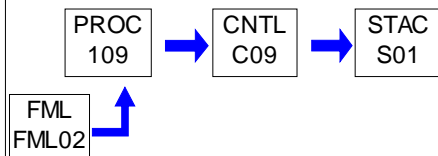
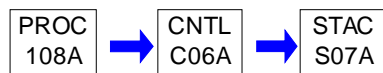
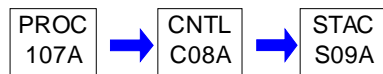
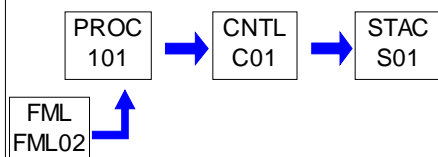
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
C14	DRYER IV DUST COLLECTOR		
C15	MILLING EQUIPMENT (115) DUST COLLECTOR		
C16	MILLING EQUIPMENT (116) DUST COLLECTOR		
C17	STORAGE SILO (117) DUST COLLECTOR		
FML02	NATURAL GAS PIPELINE		
S003	BOILER 3 STACK		
S01	LARGE & SMALL SPRAY DRYER DUST COLLECTORS STACK		
S031	BOILER 2 STACK		
S032A	STEAM GENERATOR (BOILER/SUPER HEATER) STACK		
S03A	STORAGE SILO DUST COLLECTOR STACKS		
S03B	STORAGE SILO (103B) DUST COLLECTOR STACK		
S07A	MILLING EQUIPMENT DUST COLLECTOR STACKS		
S07B	GRANULATING EQUIPMENT (107B) DUST COLLECTOR STACK		
S07C	SILO AND GRANULATOR (107C) DUST COLLECTOR STACK		
S09A	GRANULATING EQUIPMENT DUST COLLECTOR STACKS		
S13	DRYER #3 DUST COLLECTOR STACK		
S14	SPRAY DRYER IV DUST COLLECTOR STACK		
S15	MILLING EQUIPMENT (115) DUST COLLECTOR STACK		
S16	MILLING EQUIPMENT (116) DUST COLLECTOR STACK		
S17	STORAGE SILO (117) DUST COLLECTOR STACK		
Z02	COLD PARTS CLEANER FUGITIVE EMISSIONS		

**PERMIT MAPS**



## PERMIT MAPS



**PERMIT MAPS**

PROC  
116 → CNTL  
C16 → STAC  
S16

PROC  
117 → CNTL  
C17 → STAC  
S17

**SECTION B. General Title V Requirements****#001 [25 Pa. Code § 121.1]****Definitions**

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

**#002 [25 Pa. Code § 121.7]****Prohibition of Air Pollution**

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

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

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

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

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

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

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

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

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

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

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

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

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

(2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit



**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

(1) Enforcement action

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements****#013 [25 Pa. Code § 127.522(a)]****Operating Permit Application Review by the EPA**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements****#018 [25 Pa. Code §§ 127.704, 127.705 & 127.707]****Fee Payment**

- (a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees). The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.
- (b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.
- (c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.
- (d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).
- (e) The permittee shall pay an annual operating permit maintenance fee according to the following fee schedule established in 25 Pa. Code § 127.704(d) on or before December 31 of each year for the next calendar year.
- (1) Eight thousand dollars (\$8,000) for calendar years 2021—2025.
  - (2) Ten thousand dollars (\$10,000) for calendar years 2026—2030.
  - (3) Twelve thousand five hundred dollars (\$12,500) for the calendar years beginning with 2031.

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

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

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

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

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

- (1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.
- (2) One ton of NO<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> at the facility during the term of the permit.
- (3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of

**SECTION B. General Title V Requirements**

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

(4) Six-tenths of a ton of PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

The Title V compliance certification shall be emailed to EPA at [R3\\_APD\\_Permits@epa.gov](mailto:R3_APD_Permits@epa.gov).

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

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

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this

**SECTION B. General Title V Requirements**

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

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

**#024 [25 Pa. Code § 127.513]****Compliance Certification**

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

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

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3\_APD\_Permits@epa.gov.

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

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

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

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

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

**SECTION B. General Title V Requirements****#026 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]****Reporting Requirements**

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

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

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

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

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

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

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit amendments)
- (7) Subchapter H (relating to general plan approvals and operating permits)

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

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

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

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



**SECTION B. General Title V Requirements**

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
  - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
- (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.
- (3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.
- (c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.
- (d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:
- (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
  - (2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.
- (e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.
- (f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:
- (1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.
  - (2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Section B, Condition #026 of this permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

(1) Construction or demolition of buildings or structures.

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

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

(4) Clearing of land.

(5) Stockpiling of materials.

(6) Open burning operations.

(7) N/A

(8) N/A

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

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

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

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

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

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

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

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

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

(a) Equal to or greater than 20% for a period or periods aggregating more than three (3) minutes in any one (1) hour.

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

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

The opacity limitations as per 25 Pa. Code § 123.41 shall not apply to a visible emission in any of the following instances:

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

**SECTION C. Site Level Requirements**

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

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

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

The permittee shall ensure that emission into the outdoor atmosphere of nitrogen oxides (NO<sub>x</sub>) from this facility occurs in such a manner that the rate of the emission does not exceed 24.9 tons/yr, calculated monthly as a twelve (12)-month rolling sum.

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

The permittee shall ensure that emission into the outdoor atmosphere of PM from this facility occurs in such a manner that the rate of the emission does not exceed 99.9 tons/yr, calculated monthly as a 12-month rolling sum.

**# 008 [25 Pa. Code §129.14]****Open burning operations**

No person may permit the open burning of material in the Southeast Air Basin except where the open burning operations result from:

(a) 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.

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

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

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

(e) 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.

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

(g) A fire set solely for cooking food.

**II. TESTING REQUIREMENTS.****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) If at any time the Department has cause to believe that air contaminant emissions from any source may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).

(b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139, the most current version of the DEP Source Testing Manual, and the EPA Clean Air Act National Stack Testing Guidance, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

**SECTION C. Site Level Requirements****III. MONITORING REQUIREMENTS.****# 010 [25 Pa. Code §123.43]****Measuring techniques**

Visible air contaminant emissions shall be measured using either of the following:

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

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

The permittee shall calculate the following emissions monthly as a 12-month rolling sum, using Department-approved methods:

- (a) The total combined NO<sub>x</sub> emissions from the facility.
- (b) The total combined PM emissions from the facility.

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

[Additional authority for this condition is also derived from 25 Pa. Code § 127.511]

- (a) The permittee shall monitor the facility, once per operating day, for the following:
  - (1) odors which may be objectionable (as per 25 Pa. Code §123.31);
  - (2) visible emissions (as per 25 Pa. Code §§123.41 and 123.42); and
  - (3) fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).
- (b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall:
  - (1) be investigated;
  - (2) be reported to the facility management, or individual(s) designated by the permittee;
  - (3) have appropriate corrective action taken (for emissions that originate on-site); and
  - (4) be recorded in a permanent written log.
- (c) After six (6) months of daily monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly.
- (d) After six (6) months of weekly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.
- (e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification (if applicable), complaints, monitoring results, and/or Department findings.

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

The permittee shall keep records of the following emissions from the facility on a monthly and 12-month rolling sum basis, calculated using Department-approved methods:

- (a) The total combined NO<sub>x</sub> emissions from the facility.
- (b) The total combined PM emissions from the facility.

**SECTION C. Site Level Requirements****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep records of all monitoring of fugitive emissions, visible emissions and odors, including those that deviate from the conditions found in this permit. The record of deviations shall contain, at a minimum, the following items:

- (a) Date, time, and location of the incident(s);
- (b) The cause of the event; and
- (c) The corrective action taken, if necessary, to abate the situation and prevent future occurrences.

**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep records of all the facility's increases of emissions from the following categories:

- (a) emissions increase of minor significance without notification to the Department.
- (b) de minimis increases with notification to the Department, via letter.
- (c) increases resulting from a Request for Determination (RFD) to the Department.
- (d) increases resulting from the issuance of a plan approval and subsequent operating permit.

**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

All records, reports, and analysis results generated in compliance with the requirements of any section of this permit shall be maintained in accordance with Condition # 024 b), Section B, of this permit, and shall be made available to the Department upon written or verbal request within a reasonable time.

**# 017 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record greenhouse gas emissions (CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O), including any relevant emissions data, from all stationary fuel combustion sources at the facility as part of compliance with the GHG Mandatory Reporting Rule.

**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 at 484-250-5920. 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; and
- (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

**SECTION C. Site Level Requirements**

(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.

(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 §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is also derived from 25 Pa. Code § 127.511(c).]

The permittee shall submit the following:

(a) An annual certificate of compliance, due by April 1st of each year, for the period covering January 1 through December 31 of the previous year. This certificate of compliance shall document compliance with all permit terms and conditions set forth in this Title V permit as required under condition #26 of section B of this permit. The annual certificate of compliance shall be submitted to DEP electronically, and to EPA Region III in electronic form at the following email address: R3\_APD\_Permits@epa.gov. The subject line shall read: "TVOP No. 23-00047 TVOP, Evonik Corp."

(b) A semi-annual deviation report to DEP, due by October 1 of each year, for the period covering January 1 through June 30 of the same year. Note: The annual certification of compliance fulfills the obligation for the second deviation reporting period (July 1 through December 31 of the previous year).

**# 020 [25 Pa. Code §135.21]****Emission statements**

The permittee shall submit by March 1, of each year, an annual emission statement showing the actual emissions of NO<sub>x</sub> emissions for the preceding calendar year. Additionally, a description of the method used to calculate the emissions shall be included. The statement shall contain a certification by a company official or plant manager that the information contained in the statement is true and accurate.

**VI. WORK PRACTICE REQUIREMENTS.****# 021 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified in 25 Pa. Code § 123.1 shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following

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

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

(c) Paving and maintenance of roadways.

(d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by

**SECTION C. Site Level Requirements**

trucking or earth moving equipment, erosion by water, or by other means.

**# 022 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the source(s) and associated air pollution control device(s) listed in this permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with the manufacturers' specifications.

**# 023 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall immediately, upon discovery, implement measures which may include the application for the installation of an air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to 25 Pa. Code Article III or any other applicable rule promulgated under the Clean Air Act.

**# 024 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is also derived from 25 Pa. Code § 127.512]

The permittee may not modify any air contaminant system identified in this permit, prior to obtaining Department approval, except those modifications authorized by Condition #019(g), of Section B, of this permit.

**VII. ADDITIONAL REQUIREMENTS.**

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

**VIII. COMPLIANCE CERTIFICATION.**

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

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

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



**SECTION D. Source Level Requirements**

Source ID: 003

Source Name: STEAM GENERATOR NO.3 (708)

Source Capacity/Throughput:

9.846 MMBTU/HR

9.850 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: GROUP 1

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

This source consists of a natural gas-fired boiler (with propane backup), model no. SE-250, with Economizer, manufactured by Clayton industries. The boiler is rated 9.85 mmBtu/hr heat input. Evonik equipment No. 708.

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

**SECTION D. Source Level Requirements**

Source ID: 032A

Source Name: STEAM GENERATOR (BOILER/SUPER HEATER) 3651

Source Capacity/Throughput:

9.735 MMBTU/HR

9.270 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: GROUP 1

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 033

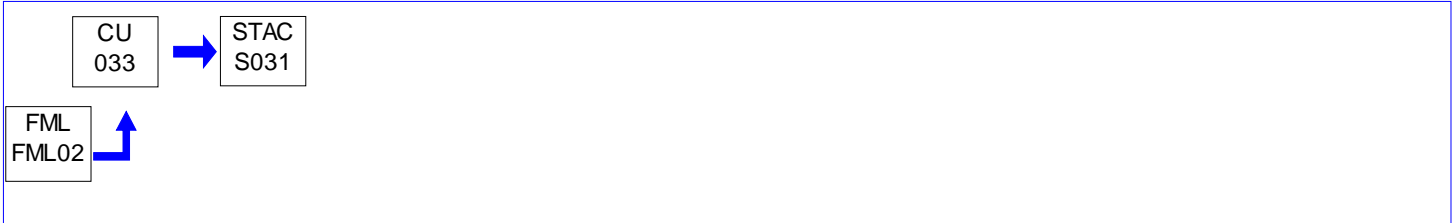
Source Name: STEAM GENERATOR SE354 (715)

Source Capacity/Throughput: 13.784 MMBTU/HR

13.784 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: GROUP 1

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that NO<sub>x</sub> and CO emissions from this combustion unit into the outdoor atmosphere is reduced to or below the following:

- i. 30 ppm<sub>dv</sub> NO<sub>x</sub> at 3% O<sub>2</sub> when firing gas; and
- ii. 300 ppm<sub>dv</sub> CO at 3% O<sub>2</sub>.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

The permittee shall maintain records of the work practice standards which shall, at a minimum, include the following:

- (i) The concentrations of NO<sub>x</sub> and CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the small combustion unit;
- (ii) A description of any corrective actions taken as part of the tune-up;
- (iii) The date(s) the annual tune-up/inspection was conducted;
- (iv) The factory calibration certification sheets for the portable analyzer; and
- (v) The type and amount of fuel used over the 12 months prior to the tune-up.

**V. REPORTING REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall conduct an annual tune-up/inspection on this combustion unit. At a minimum the tune-up/inspection shall consist of the following:

- (i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary;
  - (ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
  - (iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly;
  - (iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with the NO<sub>x</sub> requirement to which the small combustion unit is subject.
- (b) The permittee shall, every three years, measure the concentrations in the effluent stream of NO<sub>x</sub> and CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable analyzer as long as it is calibrated and operated according to the manufacturer's recommendations, the procedures specified in ASTM D-6522, and the following requirements:
- (i) The portable analyzer shall undergo factory laboratory calibration and cleaning every three years.
  - (ii) The portable analyzer shall have on-site calibration checks using certified calibration gases demonstrating the analyzer accuracy requirements specified in ASTM D-6522.
  - (iii) In order to verify emissions, the owner or operator shall conduct three, 20-minute test runs recording emissions data at least once each minute.
  - (iv) Depending on concentrations observed, fresh air purges should be performed according to manufacturer's recommendations.
  - (v) Re-zeroing of the portable analyzer should be performed according to manufacturer's recommendations or at least before every test run.

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

This source is subject to Subpart Dc of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of the Subpart. In accordance with 40 C.F.R. § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department.

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

This source consists of a natural gas-fired boiler manufactured by Clayton Industries Model No. SEGG354-2-FGR, Serial No. 25986, rated at 13.784 MMBtu/hr. The boiler is equipped with low NO<sub>x</sub> burner with flue gas recirculation. Evonik equipment No. 715.

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

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: LARGE SPRAY DRYER (#1) (510)

Source Capacity/Throughput:

21.000 MMBTU/HR

5,100.000 Lbs/HR

21.000 MCF/HR

252.000 Gal/HR

AMORPHOUS PRECIPITATED SII

Natural Gas

Propane

Conditions for this source occur in the following groups: GROUP 2

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall ensure that emission into the outdoor atmosphere of PM from this spray dryer occurs in such a manner that the concentration of PM in the effluent gas does not exceed 0.04 gr/dscf.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall operate and maintain a differential pressure gauge to indicate the differential pressure across the dust collector (Source ID C01; Evonik ID 0511) associated with this spray dryer. The dust collector shall operate within the differential pressure range of 0.5 to 6.5 inches of water.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) This source consists of a spray dryer, model no. S-400R, manufactured by Niro, Inc. The spray dryer is rated at 30,000 acfm exhaust gas flow, and is equipped with a natural gas-fired burner (with propane backup) rated at 21 mmBtu/hr heat input. Evonik equipment No. 510.
- (b) PM emissions from the spray dryer are ducted to an associated pulse jet dust collector (Source ID C01), model no. 960-K8-TRH22, manufactured by MikroPul, before exhausting into the outdoor atmosphere. The dust collector is fitted with 960 cylindrical fabric filter bags. Evonik equipment No. 0511.

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

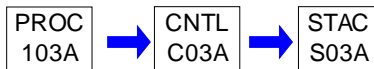
**SECTION D. Source Level Requirements**

Source ID: 103A

Source Name: STORAGE SILOS

Source Capacity/Throughput: 20,200.000 Lbs/HR

AMORPHOUS PRECIPITATED SII

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall ensure that emission into the outdoor atmosphere of total PM (filterable + condensable) from each of the storage silos occurs in such a manner that the concentration of PM in the effluent gas does not exceed 0.02 gr/dscf.

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall monitor the differential pressure across each of the dust collectors (Source ID C03A) associated with these storage silos, as follows:

(a) On a daily basis, when the dust collector is equipped with automatically-reporting differential pressure gauges, as specified in Condition # 009(b), Section D (under Source ID 103A), of this permit.

(b) On a weekly basis, when the dust collector is equipped with non-reporting differential pressure gauges, as specified in Condition # 009(b), Section D (under Source ID 103A), of this permit.

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

The permittee shall keep records of the differential pressure across each of the dust collectors (Source ID C03A) associated with these storage silos, as follows:

(a) On a daily basis, when the dust collector is equipped with automatically-reporting differential pressure gauges, as specified in Condition # 009(b), Section D (under Source ID 103A), of this permit.

(b) On a weekly basis, when the dust collector is equipped with non-reporting differential pressure gauges, as specified in Condition # 009(b), Section D (under Source ID 103A), of this permit.

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

The permittee shall keep records of all preventative maintenance inspections for the dust collectors (Source ID C03A) associated with these storage silos. These records shall contain, at a minimum, the following for each inspection:

- (a) The date of the inspection.
- (b) Any routine maintenance performed.
- (c) Any problems or defects.

**SECTION D. Source Level Requirements**

(d) Any corrective action(s) taken.

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

1. For the dust collectors (Source ID C03A) associated with these storage silos, the permittee shall keep records of the following information whenever a differential pressure alarm set point is reached:

- (a) The dust collector.
- (b) The date.
- (c) The differential pressure.
- (d) The cause(s).
- (e) The corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.

2. Permittee shall track the poundage of products produced when ammonia addition is required.

**V. REPORTING REQUIREMENTS.**

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall operate and maintain a pressure gauge to indicate the differential pressure across each of the dust collectors (Source ID C03A) associated with these storage silos. The dust collectors shall be operated and maintained in accordance with the following restrictions:

- (a) Each of the dust collectors equipped with non-reporting differential pressure gauges, as specified in Condition # 009(b), Section D (under Source ID 103A), of this permit, shall operate within the differential pressure range of 1.0 to 6.0 inches of water.
- (b) Each of the dust collectors equipped with automatically-reporting differential pressure gauges, as specified in Condition # 009(b), Section D (under Source ID 103A), of this permit, shall operate within the differential pressure range of 1.0 to 8.0 inches of water.
- (c) An alarm notification system shall visually notify the operator if the differential pressure across any of the dust collectors equipped with automatically-reporting differential pressure gauges reaches 6.0 inches of water.
- (d) An interlock device shall automatically shut down all equipment delivering amorphous precipitated silica to the respective storage silo(s) if the differential pressure across any of the dust collectors equipped with automatically-reporting differential pressure gauges reaches 8.0 inches of water.

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

The permittee shall perform the following inspections, in accordance with Condition # 004, Section D (under Source ID 103A), of this permit:

- (a) A visual check of each of the dust collectors (Source ID C03A) associated with these storage silos, on an operating day basis.
- (b) A manual check of each of the dust collectors associated with these storage silos to confirm that they are operating



**SECTION D. Source Level Requirements**

properly, on a weekly basis.

(c) Routine preventative maintenance of each of the dust collectors associated with the storage silos, on a monthly basis.

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

For the dust collectors (Source ID C03A) associated with these storage silos, the permittee shall ensure that a sufficient quantity of spare fabric filter bags are kept on hand for immediate replacement of any bags that have become deteriorated.

**VII. ADDITIONAL REQUIREMENTS.****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) This source consists of 6 amorphous precipitated silica storage silos, as follows:

Silo No.	Manufacturer	Volume	Associated Dust Collector No.
604	Widmann	1,000 m <sup>3</sup>	603
616	Widmann	125 m <sup>3</sup>	615
690	Widmann	500 m <sup>3</sup>	693
1614	Zepellin	500 m <sup>3</sup>	1615
1619	Zepellin	125 m <sup>3</sup>	1620
2616	Widmos	600 m <sup>3</sup>	2615

(b) PM emissions from the storage silos are ducted to associated pulse jet dust collectors (Source ID C03A), as listed below, before exhausting into the outdoor atmosphere. Each dust collector is fitted with cylindrical fabric filter bags and equipped with differential pressure gauges.

Associated Dust Collector No.	Manufacturer	Model No.	No. of Filter Bags	Differential Pressure Gauge Type
603	C.P.E. Filters, Inc.	96 BFR 042 S	42	AR
615	C.P.E. Filters, Inc.	96 BFR 012 S	12	NR
693	C.P.E. Filters, Inc.	96 BFR 042 S	42	NR
1615	C.P.E. Filters, Inc.	96 BFR 012 S	12	AR
1620	MikroPul	19-8-80	19	AR
2615	MikroPul	12-8-100	85	NR

AR = Automatically-reporting differential pressure gauge

NR = Non-reporting differential pressure gauge

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

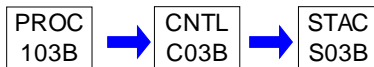
**SECTION D. Source Level Requirements**

Source ID: 103B

Source Name: STORAGE SILO

Source Capacity/Throughput: 7,000.000 Lbs/HR

AMORPHOUS PRECIPITATION

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall ensure that emission into the outdoor atmosphere of total PM (filterable + condensable) from the storage silo occurs in such a manner that the concentration of PM in the effluent gas does not exceed 0.02 gr/dscf and 0.35 tons per year on a 12-month rolling basis.

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall monitor the differential pressure across the dust collector (Source ID C03B) associated with the storage silo when operating on a daily basis.

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

1) The permittee shall keep records of all preventative maintenance inspections for the dust collector (Source ID C03B) associated with these storage silo. These records shall contain, at a minimum, the following for each inspection:

- (a) The date of the inspection.
- (b) Any routine maintenance performed.
- (c) Any problems or defects.
- (d) Any corrective action(s) taken.

2) For the dust collector (Source ID C03B) associated with the storage silo, the permittee shall keep records of the following information whenever a differential pressure alarm set point is reached:

- (a) The dust collector.
- (b) The date.
- (c) The differential pressure.
- (d) The cause(s).
- (e) The corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.

3) The permittee shall keep records of the differential pressure across the dust collector (Source ID C03B) associated with these storage silo when operating on a daily basis.

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

The permittee shall calculate and record PM emissions on a 12-month rolling sum basis to verify compliance with the

**SECTION D. Source Level Requirements**

emission (ton/yr) limit for this source.

**V. REPORTING REQUIREMENTS.**

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

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

- a) The permittee shall operate and maintain a pressure gauge to indicate the differential pressure across the dust collectors (Source ID C03B) associated with the storage silo. The dust collector shall be operated within the normal differential pressure range of 0.5 to 6.0 inches of water.
- b) For the dust collector (Source ID C03B) associated with the storage silo, the permittee shall ensure that a sufficient quantity of spare fabric filter bags are kept on hand for immediate replacement of any bags that have become deteriorated.

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

The permittee shall perform and record the following inspections, in accordance with Condition # 003 Section D (under Source ID 103B), of this permit:

- (a) A visual check of each of the dust collector (Source ID C03B) associated with the storage silo, on an operating daily basis.
- (b) A manual check of the dust collector associated with the storage silo to confirm that they are operating properly, on a weekly basis.
- (c) Routine preventative maintenance of the dust collector associated with the storage silo, on a monthly basis.

**VII. ADDITIONAL REQUIREMENTS.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This Source ID consists of the following:

Baghouse 3832 Mikropul #85-8-35; 86 bags, pulse jet AR  
Silo No. 3812 (Evonik ID 4619) associated with dust collector 3832.

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

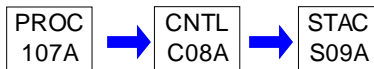
**SECTION D. Source Level Requirements**

Source ID: 107A

Source Name: GRANULATING EQUIPMENT

Source Capacity/Throughput: 7,800.000 Lbs/HR

AMORPHOUS PRECIPITATED SII

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

Except as specified in Condition # 002, Section D (under Source ID 107A), of this permit, the permittee shall ensure that emission into the outdoor atmosphere of PM from each piece of this granulating equipment occurs in such a manner that the concentration of PM in the effluent gas does not exceed 0.04 gr/dscf.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall ensure that emission into the outdoor atmosphere of PM at the outlet of dust collector no. 6132 associated with this granulating equipment occurs in such a manner that neither of the following occur:

- (a) The concentration of the emission is greater than 0.02 gr/dscf.
- (b) The rate of the emission is greater than 0.43 lbs/hr or 1.88 tons/yr.

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall monitor the differential pressure across each of the dust collectors (Source ID C08A) associated with this granulating equipment, as follows:

- (a) On a daily basis, when the dust collector is equipped with automatically-reporting differential pressure gauges, as specified in Condition # 010(b), Section D (under Source ID 107A), of this permit.
- (b) On a weekly basis, when the dust collector is equipped with non-reporting differential pressure gauges, as specified in Condition # 010(b), Section D (under Source ID 107A), of this permit.

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

The permittee shall keep records of the differential pressure across each of the dust collectors (Source ID C08A) associated with this granulating equipment, as follows:

- (a) On a daily basis, when the dust collector is equipped with automatically-reporting differential pressure gauges, as specified in Condition # 010(b), Section D (under Source ID 107A), of this permit.

**SECTION D. Source Level Requirements**

(b) On a weekly basis, when the dust collector is equipped with non-reporting differential pressure gauges, as specified in Condition # 010(b), Section D (under Source ID 107A), of this permit.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall keep a copy of the manufacturer's specifications for dust collector no. 6132 associated with this granulating equipment.

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

The permittee shall keep records of the following parameters for the dust collectors (Source ID C08A) associated with this granulating equipment:

1) All preventative maintenance inspections of the dust collectors. These records shall contain, at a minimum, the following for each inspection:

- (a) The date of the inspection.
- (b) Any routine maintenance performed.
- (c) Any problems or defects.
- (d) Any corrective action(s) taken.

2) Whenever a differential pressure alarm set point for the dust collectors is reached:

- (a) The dust collector.
- (b) The date.
- (c) The differential pressure.
- (d) The cause(s).
- (e) The corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.

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

The permittee shall calculate and record PM emissions on a 12-month rolling sum basis to verify compliance with the emission (ton/yr) limit for this source.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

1) The permittee shall operate and maintain a pressure gauge to indicate the differential pressure across each of the dust collectors (Source ID C08A) associated with this granulating equipment. The dust collectors shall be operated and maintained in accordance with the following restrictions:

(a) Each of the dust collectors equipped with non-reporting differential pressure gauges, as specified in Condition # 010(b), Section D (under Source ID 107A), of this permit, shall operate within the differential pressure range of 1.0 to 6.0 inches of water.

(b) Each of the dust collectors equipped with automatically-reporting differential pressure gauges, as specified in

**SECTION D. Source Level Requirements**

Condition # 010(b), Section D (under Source ID 107A), of this permit, shall operate within the differential pressure range of 1.0 to 8.0 inches of water.

(c) An alarm notification system shall visually notify the operator if the differential pressure across any of the dust collectors equipped with automatically-reporting differential pressure gauges reaches 6.0 inches of water.

(d) An interlock device shall automatically shut down all equipment delivering amorphous precipitated silica to the respective granulating equipment if the differential pressure across any of the dust collectors equipped with automatically-reporting differential pressure gauges reaches 8.0 inches of water.

2) For the dust collectors (Source ID C08A) associated with this granulating equipment, the permittee shall ensure that a sufficient quantity of spare fabric filter bags are kept on hand for immediate replacement of any bags that have become deteriorated.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512).]

The permittee shall ensure that dust collector no. 6132 associated with this granulating equipment is operated and maintained in accordance with the following restrictions:

- (a) The dust collector shall maintain a minimum PM removal efficiency of 99%.
- (b) The exhaust gas flow from the dust collector shall not exceed 2,500 acfm.

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

The permittee shall perform the following inspections, in accordance with Condition # 005, Section D (under Source ID 107A), of this permit:

- (a) A visual check of each piece of this granulating equipment, on an operating day basis.
- (b) A visual check of each of the dust collectors (Source ID C08A) associated with the granulating equipment, on an operating day basis.
- (c) A manual check of each of the dust collectors associated with the granulating equipment to confirm that they are operating properly, on a weekly basis.
- (d) Routine preventative maintenance of each piece of the granulating equipment, in accordance with the manufacturers' specifications.
- (e) Routine preventative maintenance of each of the dust collectors associated with the granulating equipment, on a monthly basis.

**VII. ADDITIONAL REQUIREMENTS.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) This granulating equipment source grouping consists of 2 granulators (Wesseling 1 & 2) manufactured by Degussa Corp. and three (3) associated silos, as follows:

Granulator	Intermediate Dust Collector No.	Associated Silo(s) No.
Wesseling 1 (1622)	N/A	1630
Wesseling 2 (6160)	6132	2804, 2812

**SECTION D. Source Level Requirements**

Silo No.	Manufacturer	Volume	Associated Dust Collector(s) No.
1630	Widmann	500 m <sup>3</sup>	2803, 6132
2804	Widmos	130 m <sup>3</sup>	
2812	Widmos	555 m <sup>3</sup>	

(b) PM emissions from the granulating equipment are ducted to associated dust collectors (Source ID C08A), as listed below, before exhausting into the outdoor atmosphere. Each dust collector is fitted with cylindrical fabric filter bags and equipped with non-reporting differential pressure gauges.

Associated Dust Collector No.	Manufacturer	Model No.	Type	No. of Filter Bags	Diff. Pressure Gauge Type
2803	MikroPul	85-8-35	Pulse Jet	85	AR
6132	C.P.E. Filters, Inc.	96 FR 054 S	Reverse Air Flow	54	AR

NR = Non-reporting differential pressure gauge

AR = Automatically-reporting differential pressure gauge

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

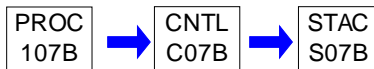
**SECTION D. Source Level Requirements**

Source ID: 107B

Source Name: GRANULATING EQUIPMENT

Source Capacity/Throughput: 3,200.000 Lbs/HR

AMORPHOUS PRECIPITATION

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

(a) The permittee shall ensure that emission into the outdoor atmosphere of total PM (filterable + condensable) at the outlet of dust collector no. 6132 associated with this granulating equipment occurs in such a manner that neither of the following occur:

- (1) The concentration of the emission is greater than 0.02 gr/dscf.
- (2) The rate of the emission is greater than 0.38 lbs/hr or 1.66 tons/yr.

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall monitor the differential pressure across the dust collector (Source ID C07B) associated with this granulating equipment on a daily basis.

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

The permittee shall keep records of the differential pressure across the dust collector (Source ID C07B) associated with this granulating equipment on a daily basis.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall keep a copy of the manufacturer's specifications for the dust collector associated with this granulating equipment.

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

The permittee shall keep records of the following parameters for the dust collectors (Source ID C07B) associated with this granulating equipment:

- 1) All preventative maintenance inspections of the dust collectors. These records shall contain, at a minimum, the following for each inspection:



**SECTION D. Source Level Requirements**

- (a) The date of the inspection.
- (b) Any routine maintenance performed.
- (c) Any problems or defects.
- (d) Any corrective action(s) taken.

2) Whenever a differential pressure alarm set point for the dust collectors is reached:

- (a) The dust collector.
- (b) The date.
- (c) The differential pressure.
- (d) The cause(s).
- (e) The corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.

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

The permittee shall calculate and record PM emissions on a 12-month rolling sum basis to verify compliance with the emission (ton/yr) limit for this source.

**V. REPORTING REQUIREMENTS.**

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

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

The permittee shall operate and maintain a pressure gauge to indicate the differential pressure across the dust collector (Source ID C07B) associated with this granulating equipment. The dust collector shall be operated within the normal differential pressure range of 0.5 to 6.0 inches of water.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall ensure that the dust collector (6232) associated with this granulating equipment is operated and maintained in accordance with the following restrictions:

- (a) The dust collector shall maintain a minimum PM removal efficiency of 99%.
- (b) The exhaust gas flow from the dust collector shall not exceed 2,200 acfm.

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

For the dust collector (Source ID C07B) associated with this granulating equipment, the permittee shall ensure that a sufficient quantity of spare fabric filter bags are kept on hand for immediate replacement of any bags that have become deteriorated.

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

The permittee shall perform and record the following inspections, in accordance with Condition # 005 (1), Section D (under Source ID 107B), of this permit:

- (a) A visual check of each piece of this granulating equipment, on an operating daily basis.
- (b) A visual check of each of the dust collector (Source ID C07B) associated with the granulating equipment, on an

**SECTION D. Source Level Requirements**

operating day basis.

(c) A manual check of the dust collector associated with the granulating equipment to confirm that they are operating properly, on a weekly basis.

(d) Routine preventative maintenance of each piece of the granulating equipment, in accordance with the manufacturer's specifications.

(e) Routine preventative maintenance of each of the dust collector associated with the granulating equipment, on a monthly basis.

**VII. ADDITIONAL REQUIREMENTS.**

**# 011 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

This Source ID consists of the following:

Granulator - Wesseling 3 (Unit ID # 6260)

Intermediate Dust Collector No. 6232

Associated Silo(s) No. 2804 and 2812

Silo No. 2804 is manufactured by Widmos, volume of 130 cubic feet, associated dust collector(s) No. 2803 and 6132

Silo No. 2812 is manufactured by Widmos, volume of 555 cubic feet.

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

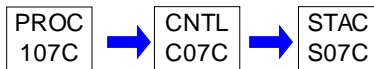
**SECTION D. Source Level Requirements**

Source ID: 107C

Source Name: SILO AND GRANULATOR

Source Capacity/Throughput: 7,100.000 Lbs/HR

AMORPHOUS PRECIPITATION

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

(a) The permittee shall ensure that emission into the outdoor atmosphere of total PM (filterable + condensable) at the outlet of dust collector occurs in such a manner that neither of the following occur:

- (1) The concentration of the emission is greater than 0.02 gr/dscf.
- (2) The rate of the emission is greater than 0.77 lbs/hr or 3.37 tons/yr.

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall monitor the differential pressure across the dust collector (Source ID C07C) associated with this granulating equipment on a daily basis.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall keep a copy of the manufacturer's specifications for the dust collector.

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

The permittee shall keep records of the differential pressure across the dust collector (Source ID C07C) associated with this granulating equipment on a daily basis.

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

The permittee shall keep records of the following parameters for the dust collectors (Source ID C07C) associated with this granulating equipment:

- 1) All preventative maintenance inspections of the duct collectors. These records shall contain, at a minimum, the following for each inspection:
  - (a) The date of the inspection.

**SECTION D. Source Level Requirements**

- (b) Any routine maintenance performed.
- (c) Any problems or defects.
- (d) Any corrective action(s) taken.

2) Whenever a differential pressure alarm set point for the dust collectors is reached:

- (a) The dust collector.
- (b) The date.
- (c) The differential pressure.
- (d) The cause(s).
- (e) The corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.

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

The permittee shall calculate and record PM emissions on a 12-month rolling sum basis to verify compliance with the emission (ton/yr) limit for this source.

**V. REPORTING REQUIREMENTS.**

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

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

1) The permittee shall operate and maintain a pressure gauge to indicate the differential pressure across the dust collector (Source ID C07C) associated with this granulating equipment. The dust collector shall be operated within the normal differential pressure range of 0.1 to 10 inches of water.

2) For the dust collector (Source ID C07C) associated with this granulating equipment, the permittee shall ensure that a sufficient quantity of spare fabric filter bags are kept on hand for immediate replacement of any bags that have become deteriorated.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall ensure that the dust collector associated with the source ID # 107C is operated and maintained in accordance with the following restrictions:

- (a) The dust collector shall maintain a minimum PM removal efficiency of 99%.
- (b) The exhaust gas flow from the dust collector shall not exceed 2,500 acfm.

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

The permittee shall perform and record the following inspections, in accordance with Condition # 005 (1), Section D (under Source ID 107C), of this permit:

- (a) A visual check of each piece of this granulating equipment, on an operating daily basis.
- (b) A visual check of each of the dust collector (Source ID C07C) associated with the granulating equipment, on an operating day basis.
- (c) A manual check of the dust collector associated with the granulating equipment to confirm that they are operating

**SECTION D. Source Level Requirements**

properly, on a weekly basis.

(d) Routine preventative maintenance of each piece of the granulating equipment, in accordance with the manufacturer's specifications.

(e) Routine preventative maintenance of each of the dust collector associated with the granulating equipment, on a monthly basis.

**VII. ADDITIONAL REQUIREMENTS.**

**# 010 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) This granulating equipment source consists of one (1) granulator (Wesseling 4 ) manufactured by Evonik Corporation and one (1) associated silo, as follows:

Granulator	Intermediate Dust Collector No	Associated Silo(s) No
Wesseling 4 (Unit ID #4622)	None	4619

Silo No.	Manufacturer	Volume	Associated Dust Collector(s) No.
4619	Zepellin	140 m <sup>3</sup>	4620

(b) PM emissions from the granulating equipment are ducted to associated dust collectors (Source ID 107C), as listed below, before exhausting into the outdoor atmosphere. Each dust collector is fitted with cylindrical fabric filter bags and equipped with automatic-reporting differential pressure gauges.

Associated Dust collector No.	Manufacturer	Model No.	Type	No. of bags Gauge Type	Diff. Pressure
4620	AeroPulse	RB-86-8-N	Pulse jet	86	AR

AR = Automatically-reporting differential pressure gauge

Note: Associated recycle dust collector (no. 627), model no. ITR-2-60, manufactured by MikroPul; which captures recycle powder from packers and granulators and returns to silo 4619.

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

**SECTION D. Source Level Requirements**

Source ID: 108A

Source Name: MILLING EQUIPMENT

Source Capacity/Throughput: 12,180.000 Lbs/HR

AMORPHOUS PRECIPITATED SII

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

The permittee shall ensure that emission into the outdoor atmosphere of PM from each piece of this milling equipment occurs in such a manner that the concentration of PM in the effluent gas does not exceed 0.04 gr/dscf.

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall monitor the differential pressure across each of the dust collectors (Source ID C06A) associated with this milling equipment, as follows:

- (a) On a daily basis, when the dust collector is equipped with automatically-reporting differential pressure gauges.
- (b) On a weekly basis, when the dust collector is equipped with non-reporting differential pressure gauges.

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

1. The permittee shall keep records of the differential pressure across each of the dust collectors (Source ID C06A) associated with this milling equipment, as follows:

- (a) On a daily basis, when the dust collector is equipped with automatically-reporting differential pressure gauges.
- (b) On a weekly basis, when the dust collector is equipped with non-reporting differential pressure gauges.

2. Permittee shall track the poundage of products produced when ammonia addition is required.

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

The permittee shall keep records of the following parameters for the dust collectors (Source ID C06A) associated with this granulating equipment:

- 1) All preventative maintenance inspections of the duct collectors. These records shall contain, at a minimum, the following for each inspection:
  - (a) The date of the inspection.
  - (b) Any routine maintenance performed.
  - (c) Any problems or defects.

**SECTION D. Source Level Requirements**

(d) Any corrective action(s) taken.

2) Whenever a differential pressure alarm set point for the dust collectors is reached:

(a) The dust collector.

(b) The date.

(c) The differential pressure.

(d) The cause(s).

(e) The corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.

**V. REPORTING REQUIREMENTS.**

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

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

The permittee shall operate and maintain a pressure gauge to indicate the differential pressure across each of the dust collectors (Source ID C06A) associated with this milling equipment. The dust collectors shall be operated and maintained in accordance with the following restrictions:

(a) Each of the dust collectors equipped with non-reporting differential pressure gauges, as specified in Condition # 009(b), Section D (under Source ID 108A), of this permit, shall operate within the differential pressure range of 1.0 to 6.0 inches of water.

(b) Each of the dust collectors equipped with automatically-reporting differential pressure gauges, as specified in Condition # 009(b), Section D (under Source ID 1078), of this permit, shall operate within the differential pressure range of 1.0 to 8.0 inches of water.

(c) An alarm notification system shall visually notify the operator if the differential pressure across any of the dust collectors equipped with automatically-reporting differential pressure gauges reaches 6.0 inches of water.

(d) An interlock device shall automatically shut down all equipment delivering amorphous precipitated silica to the respective milling equipment if the differential pressure across any of the dust collectors equipped with automatically-reporting differential pressure gauges reaches 8.0 inches of water.

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

The permittee shall perform the following inspections, in accordance with Condition # 004 (1), Section D (under Source ID 108A), of this permit:

(a) A visual check of each piece of this milling equipment, on an operating day basis.

(b) A visual check of the each of the dust collectors (Source ID C06A) associated with the milling equipment, on an operating day basis.

(c) A manual check of each of the dust collectors associated with the milling equipment to confirm that they are operating properly, on a weekly basis.

(d) Routine preventative maintenance of each piece of the milling equipment, in accordance with the manufacturers' specifications.

(e) Routine preventative maintenance of each of the dust collectors associated with the milling equipment, on a monthly basis.

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

For the dust collectors (Source ID C06A) associated with this milling equipment, the permittee shall ensure that a sufficient quantity of spare fabric filter bags are kept on hand for immediate replacement of any bags that have become deteriorated.

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

(a) This milling equipment source grouping consists of 7 mills and 6 associated silos, as follows:

Mill Type	Manufacturer	Model No.	Intermediate Dust Collector No.	Associated Silo(s) No.
Impact Mill	Alpine	630UP	676	664, 684
Roller Mill / Hopper	Neuman & Esser	PM5	1609 / 1628	684
Air Jet Mills (3)	Fluid Energy Aljet	Jet-O-Mizer 0405 CSNL	N/A	635, 670, 677
AFG Jet Mill	Alpine	AFG 400	2626	670, 677
ZPS Flatting Mill	Alpine	ZPS 200/4	2645	670, 2657

Silo No.	Manufacturer	Volume	Associated Dust Collector No.
635	Widmann	500 m <sup>3</sup>	633
664	Widmann	1,000 m <sup>3</sup>	663
670	Zepellin	125 m <sup>3</sup>	671
677	Widmann	125 m <sup>3</sup>	698
684	Modern Welding	125 m <sup>3</sup>	685
2657	Zepellin	130 m <sup>3</sup>	2658

(b) PM emissions from the milling equipment are ducted to associated pulse jet dust collectors (Source ID C06A), as listed below, before exhausting into the outdoor atmosphere. Each dust collector is fitted with cylindrical fabric filter bags and equipped with differential pressure gauges.

Associated Dust Collector No.	Manufacturer	Model No.	No. of Filter Bags	Differential Pressure Gauge Type
633	MikroPul	55-8-55	55	NR
663	C.P.E. Filters, Inc.	96 BFR 042 S	42	AR
671	MikroPul	85-8-35	85	NR
676	MikroPul	81-58-45	81	AR
685	MikroPul	42-8-65	42	NR
698	MikroPul	85-9-35	85	NR
1609	MikroPul	55W-8-25	55	NR
1628	MikroPul	12-8-100	12	NR
2626	MikroPul	69-8-120C	69	AR
2645	MikroPul	104-45-RT-10-90-TRV	104	AR
2658	MikroPul	85-8-35	85	AR

NR = Non-reporting differential pressure gauge



**SECTION D. Source Level Requirements**

AR = Automatically-reporting differential pressure gauge

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

**SECTION D. Source Level Requirements**

Source ID: 109

Source Name: SMALL SPRAY DRYER (#2) (806)

Source Capacity/Throughput:

6.600 MMBTU/HR

6.600 MCF/HR

Natural Gas

79.000 Gal/HR

Propane

1,600.000 Lbs/HR

AMORPHOUS PRECIPITATED SII

Conditions for this source occur in the following groups: GROUP 2

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall ensure that emission into the outdoor atmosphere of PM from this spray dryer occurs in such a manner that the concentration of PM in the effluent gas does not exceed 0.04 gr/dscf.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall operate and maintain a differential pressure gauge to indicate the differential pressure across the dust collector (Source ID C09; Evonik ID 0807) associated with this spray dryer. The dust collector shall operate within the differential pressure range of 0.5 to 6.5 inches of water.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) This source consists of a spray dryer, model no. S-125R, manufactured by Niro, Inc. The spray dryer is rated at 15,000 acfm exhaust gas flow, and is equipped with a natural gas-fired burner (with propane backup) rated at 6.6 mmBtu/hr heat input.

(b) PM emissions from the spray dryer are ducted to an associated pulse jet dust collector (Source ID C09; Evonik ID 0807), model no. 320-K8-TRH22, manufactured by MikroPul, before exhausting into the outdoor atmosphere. The dust collector is fitted with 320 cylindrical fabric filter bags.

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

**SECTION D. Source Level Requirements**

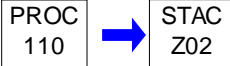
Source ID: 110

Source Name: COLD PARTS CLEANER

Source Capacity/Throughput:

N/A

SOLVENT NAPHTHA

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 001 [25 Pa. Code §129.63]****Degreasing operations**

(a) For this cold parts cleaner, the permittee shall keep records of the following information:

- (1) The name and address of the solvent supplier.
- (2) The type of solvent including the product or vendor identification number.
- (3) The vapor pressure of the solvent measured in mm Hg at 20 °C.

(b) The permittee shall maintain for at least 2 years and shall provide to the Department, on request, the information specified in paragraph (a).

(c) Compliance with paragraph (a) above maybe satisfied with the following: an invoice; bill of sale; certificate that corresponds to a number of sales; Safety Data Sheet (SDS); or other appropriate documentation acceptable to the Department may be used to comply with this section.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 002 [25 Pa. Code §129.63]****Degreasing operations**

The permittee shall ensure that this cold parts cleaner is equipped with a cover that remains closed at all times except during cleaning of parts or the addition or removal of solvent.

**SECTION D. Source Level Requirements****# 003 [25 Pa. Code §129.63]****Degreasing operations**

(1) The permittee shall ensure that this cold parts cleaner be operated in accordance with the following procedures:

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

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

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

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

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

(2) The permittee shall ensure that this cold parts cleaner has a permanent, conspicuous label summarizing the operating requirements of paragraph (1) above. The label shall also include the following discretionary good operating practices:

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

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

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

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

**# 004 [25 Pa. Code §129.63]****Degreasing operations**

The permittee shall not use any solvent in this cold parts cleaner that has a vapor pressure equal to or greater than 1.0 mm Hg and a VOC content greater than 5%, by weight, measured at 20 °C (68 °F).

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

This source consists of a remote reservoir cold parts cleaner, Model No. DMD 236, manufactured by Graymills. The cold parts cleaner uses naphtha as the cleaning solvent, and has a solvent capacity of 20 gal.

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

**SECTION D. Source Level Requirements**

Source ID: 112A

Source Name: DRYER 3 (0548)

Source Capacity/Throughput:

40.000 MMBTU/HR

480.000 Gal/HR

Propane

6,500.000 Lbs/HR

AMORPHOUS PRECIPITATED SII

40.000 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: GROUP 2

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall limit the total NOx emissions for the dryer to less than 2.58 lb/hr and 11.28 tpy calculated on a 12-month rolling sum.

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall ensure that emission into the outdoor atmosphere of PM from this dryer occurs in such a manner that the concentration of PM in the effluent gas does not exceed 0.04 gr/dscf.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall operate and maintain a differential pressure gauge to indicate the differential pressure across the dust collector (Source ID C10; Evonik ID 554) associated with this dryer. The dust collector shall operate within the differential

**SECTION D. Source Level Requirements**

pressure range of 0.5 of 8.0 inches of water.

**VII. ADDITIONAL REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) This source consists of a spin flash dryer, model no. 68, Type III, manufactured by Anhydro, Inc. The dryer is rated at 29,500 acfm exhaust gas flow, and is equipped with a natural gas-fired low-NO<sub>x</sub> burner (with propane backup), Model Type Crossfire, manufactured by Maxon Corp. The burner is rated at 40 mmBtu/hr heat input.

(b) PM emissions from the dryer are ducted to an associated pulse jet dust collector (Source ID C10; Evonik ID 554), model no. 800S-8-TR-C, manufactured by MikroPul, before exhausting into the outdoor atmosphere. The dust collector is fitted with 800 cylindrical fabric filter bags.

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

**SECTION D. Source Level Requirements**

Source ID: 114

Source Name: DRYER IV (3548)

Source Capacity/Throughput:

7,000.000 Lbs/HR

AMORPHOUS PRECIPITATION

24.900 MCF/HR

Natural Gas

275.000 Gal/HR

Propane

Conditions for this source occur in the following groups: GROUP 2

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall ensure that emission into the outdoor atmosphere of total PM (filterable + condensable) from the dryer IV occurs in such a manner that the concentration of PM in the effluent gas does not exceed 3.69 lb/hr, and 19.01 tons per year as a 12-month rolling basis.

(b) The emissions of oxides of nitrogen (NO<sub>x</sub>) from dryer IV, to the atmosphere shall be limited to a maximum of 0.90 lb/hr, and 3.94 tons per year, as a 12 month rolling sum basis.

(c) The emissions of carbon monoxide (CO) from dryer IV, to the atmosphere shall be limited to a maximum of 5.45 lb/hr, and 23.87 tons per year, as a 12 month rolling sum basis.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

The permittee shall calculate and record the emissions on a 12-month rolling sum to demonstrate the compliance with Condition # 001.

**V. REPORTING REQUIREMENTS.**

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



**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall operate and maintain a differential pressure gauge to indicate the differential pressure across the dust collector (Source ID C14; Evonik ID 3554) associated with this dryer. The dust collector shall be operated within the normal differential pressure range of 0.5 to 6.0 inches of water.

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

(a) This source consists of a spin flash dryer, model no. SFD 68, manufactured by Anhydro or equivalent. The dryer is rated at 31,630 acfm exhaust gas flow, and is equipped with a natural gas-fired burner (with propane backup) rated at 24.9 mmBtu/hr heat input.

(b) PM emissions from the dryer are ducted to an associated pulse jet dust collector (Source ID C14; Evonik ID 3554), model no. 800L-10-TR-L, manufactured by MikroPul or equivalent, before exhausting into the outdoor atmosphere. The dust collector is fitted with 800 cylindrical fabric filter bags.

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

**SECTION D. Source Level Requirements**

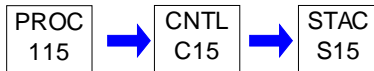
Source ID: 115

Source Name: MILLING EQUIPMENT (3630)

Source Capacity/Throughput: 4,400.000 Lbs/HR

AMORPHOUS SILICON DIOXIDE

Conditions for this source occur in the following groups: GROUP 2

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall ensure that emission into the outdoor atmosphere of total PM (filterable + condensable) at the outlet of dust collector occurs in such a manner that neither of the following occur:

- (1) The concentration of the emission is greater than 0.02 gr/dscf.
- (2) The rate of the emission is greater than 0.57 lbs/hr and 2.48 tons/yr.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

The permittee shall calculate and record PM emissions on a 12-month rolling sum basis to verify compliance with the PM limit.

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

The permittee shall calculate and record PM emissions on a 12-month rolling sum basis to verify compliance with the emission (ton/yr) limit for this source.

**V. REPORTING REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall ensure that the dust collector associated with the source is operated and maintained in accordance with the following restrictions:

(a) The dust collector shall maintain a minimum PM removal efficiency of 99%.

(b) The exhaust gas flow from the dust collector shall not exceed 5,285 acfm.

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

The permittee shall operate and maintain a pressure gauge to indicate the differential pressure across the dust collector (Source ID 115) associated with this milling equipment. The dust collector shall be operated within the normal differential pressure range of 0.1 to 10 inches of water.

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

PM emissions from the milling equipment are ducted to associated dust collectors (Source ID 115), as listed below, before exhausting into the outdoor atmosphere. Each dust collector is fitted with cylindrical fabric filter bags and equipped with automatic-reporting differential pressure gauges.

Associated Dust collector No.	Manufacturer	Model No.	Type	No. of bags	Gauge type
----------------------------------	--------------	-----------	------	-------------	------------

3635	Mikropul	180R-100-0.05 Barg TR 'C"	Pulse jet	180	AR
------	----------	---------------------------	-----------	-----	----

AR = Automatically-reporting differential pressure gauge

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

The permittee is authorized to transfer material from Mill 3630 (Source ID 115) to the following silos: 635, 664, 670, 677, 684, 2657, and 3612.

[Note: The following Silos are identified under Source ID 108A: 635, 664, 670, 677, 684, and 2657. Silo 3612 is identified under Source ID 117.]

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

**SECTION D. Source Level Requirements**

Source ID: 116

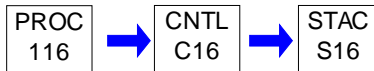
Source Name: MILLING EQUIPMENT (3650)

Source Capacity/Throughput:

440.000 Lbs/HR

AMORPHOUS SILICON DIOXIDE

Conditions for this source occur in the following groups: GROUP 2

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall ensure that emission into the outdoor atmosphere of total PM (filterable + condensable) at the outlet of dust collector occurs in such a manner that neither of the following occur:

- (1) The concentration of the emission is greater than 0.02 gr/dscf.
- (2) The rate of the emission is greater than 0.17 lbs/hr and 0.76 tons/yr.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

The permittee shall calculate and record PM emissions on a 12-month rolling sum basis to verify compliance with the PM limit.

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

The permittee shall calculate and record PM emissions on a 12-month rolling sum basis to verify compliance with the emission (ton/yr) limit for this source.

**V. REPORTING REQUIREMENTS.**

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall ensure that the dust collector associated with the source is operated and maintained in accordance with the following restrictions:

- (a) The dust collector shall maintain a minimum PM removal efficiency of 99%.
- (b) The exhaust gas flow from the dust collector shall not exceed 4,527 acfm.

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

The permittee shall operate and maintain a pressure gauge to indicate the differential pressure across the dust collector (Source ID 116) associated with this milling equipment. The dust collector shall be operated within the normal differential pressure range of 0.1 to 10 inches of water.

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

PM emissions from the milling equipment are ducted to associated dust collectors (Source ID 116), as listed below, before exhausting into the outdoor atmosphere. Each dust collector is fitted with cylindrical fabric filter bags and equipped with automatic-reporting differential pressure gauges.

Associated Dust collector No.	Manufacturer	Model No.	Type	No. of bags	Gauge type
3655	Mikropul	180R-100-0.05 Barg TR 'C"	Pulse jet	180	AR

AR = Automatically-reporting differential pressure gauge

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

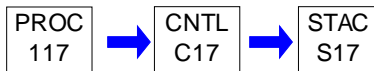
**SECTION D. Source Level Requirements**

Source ID: 117

Source Name: STORAGE SILO (3612)

Source Capacity/Throughput: 4,400.000 Lbs/HR

SILICON DIOXIDE

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall ensure that emission into the outdoor atmosphere of total PM (filterable + condensable) at the outlet of dust collector occurs in such a manner that neither of the following occur:

- (1) The concentration of the emission is greater than 0.02 gr/dscf.
- (2) The rate of the emission is greater than 0.68 lbs/hr and 2.98 tons/yr.

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall monitor the differential pressure across the dust collector associated with this silo on a daily basis.

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

The permittee shall keep records of all preventative maintenance inspections for the dust collector associated with this silo. These records shall contain, at a minimum, the following for each inspection:

- (a) The date of the inspection.
- (b) Any routine maintenance performed.
- (c) Any problems or defects.
- (d) Any corrective action(s) taken.

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

The permittee shall keep records of the differential pressure across the dust collector associated with this silo on a daily basis.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall keep a copy of the manufacturer's specifications for the dust collector.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall keep a copy of the manufacturer's specifications for the dust collector.

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

For the dust collector, the permittee shall keep records of the following information whenever a differential pressure alarm set point is reached:

- (a) The dust collector.
- (b) The date.
- (c) The differential pressure.
- (d) The cause(s).
- (e) The corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.

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

The permittee shall calculate and record PM emissions on a 12-month rolling sum basis to verify compliance with the emission (ton/yr) limit for this source.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall operate and maintain a pressure gauge to indicate the differential pressure across the dust collector associated with this silo. The dust collector shall be operated within the normal differential pressure range of 0.1 to 10 inches of water.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall ensure that the dust collector associated with the silo is operated and maintained in accordance with the following restrictions:

- (a) The dust collector shall maintain a minimum PM removal efficiency of 99%.
- (b) The exhaust gas flow from the dust collector shall not exceed 1,256 acfm.

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

For the dust collector associated with this silo, the permittee shall ensure that a sufficient quantity of spare fabric filter bags are kept on hand for immediate replacement of any bags that have become deteriorated.

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

The permittee shall perform and record the following inspections:

**SECTION D. Source Level Requirements**

- (a) A visual check of each piece of this silo, on an operating daily basis.
- (b) A visual check of each of the dust collector associated with the silo, on an operating day basis.
- (c) A manual check of the dust collector associated with the silo to confirm that they are operating properly, on a weekly basis.
- (d) Routine preventative maintenance of silo, in accordance with the manufacturer's specifications.
- (e) Routine preventative maintenance of each of the dust collector associated with the silo, on a monthly basis.

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

PM emissions from the milling equipment are ducted to associated dust collectors (Source ID 117), as listed below, before exhausting into the outdoor atmosphere. Each dust collector is fitted with cylindrical fabric filter bags and equipped with automatic-reporting differential pressure gauges.

Associated Dust collector No.	Manufacturer	Model No.	Type	No. of bags	Gauge type
3613	Mikropul	60-100-0.05 Barg TR 'B'	Pulse jet	60	AR

AR = Automatically-reporting differential pressure gauge

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



**SECTION E. Source Group Restrictions.**

Group Name: GROUP 1

Group Description: Combustion Units

Sources included in this group

ID	Name
003	STEAM GENERATOR NO.3 (708)
032A	STEAM GENERATOR (BOILER/SUPER HEATER) 3651
033	STEAM GENERATOR SE354 (715)

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

The permittee shall not permit the emission into the outdoor atmosphere of particulate matter from each combustion unit in Source Group 1 in excess of 0.4 pound per million Btu of heat input.

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

A person may not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from each combustion unit in Source Group 1 in excess of 1.0 pounds per million Btu of heat input, in accordance with 25 Pa. Code § 123.22(e)(1).

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

The permittee shall use only natural gas as fuel for the combustion units in Source Group 1

**II. TESTING REQUIREMENTS.**

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

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

For each combustion unit in Source Group 1, the permittee shall monitor the following operating parameters on a monthly basis:

- (a) The hours of operation.
- (b) The type of fuel consumed.
- (c) The amount of fuel consumed.

[Compliance with this condition assures compliance with 40 C.F.R. § 60.48c(g)(2), where applicable.]

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

For each combustion unit in Source Group 1, the permittee shall keep records of the following operating parameters on a monthly basis:

- (a) The hours of operation.
- (b) The type of fuel consumed.
- (c) The amount of fuel consumed.

[Compliance with this condition assures compliance with 40 C.F.R. § 60.48c(g)(2), where applicable.]

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 2

Group Description: Milling Equipment and Dryers

Sources included in this group

ID	Name
101	LARGE SPRAY DRYER (#1) (510)
109	SMALL SPRAY DRYER (#2) (806)
112A	DRYER 3 (0548)
114	DRYER IV (3548)
115	MILLING EQUIPMENT (3630)
116	MILLING EQUIPMENT (3650)

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

1) The permittee shall monitor the differential pressure across each dust collector associated with the sources listed in this source group, on an operating day basis.

2) For each source listed in this group, the permittee shall monitor the following parameters, on a monthly basis:

- (a) The hours of operation.
- (b) The type of fuel consumed.
- (c) The amount of fuel consumed.

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

(a) The permittee shall calculate the total NO<sub>x</sub> emissions for each source listed in this group, in pounds per hour and tons per year calculated on a 12-month rolling sum.

**IV. RECORDKEEPING REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall keep records of the following parameters for each dust collector (s) associated with the sources listed in this group:

(1) All preventative maintenance inspections of each duct collector. These records shall contain, at a minimum, the following for each inspection:

- (a) The date of the inspection.
- (b) Any routine maintenance performed.
- (c) Any problems or defects.
- (d) Any corrective action(s) taken.

(2) Whenever a differential pressure alarm set point for any dust collector associated with the sources listed in this source

**SECTION E. Source Group Restrictions.**

group is reached:

- (a) The dust collector.
- (b) The date.
- (c) The differential pressure.
- (d) The cause(s).
- (e) The corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.

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

For each source of this source group, the permittee shall keep records of the following operating parameters on a monthly basis:

- (a) The hours of operation.
- (b) The type of fuel consumed.
- (c) The amount of fuel consumed.

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

(1) The permittee shall keep records of the differential pressure across each dust collector (s) associated with the sources listed in this source group, on an operating day basis.

(2) The permittee shall keep records of the total NO<sub>x</sub> emissions for each source listed in this group, in pounds per hour and tons per year calculated on a 12-month rolling sum, to demonstrate compliance with the NO<sub>x</sub> emission limits for this Source.

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

The permittee shall keep a copy of the manufacturer specifications for each dust collector associated with this source group.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

For each source and associated dust collector (s) of this source group, the permittee shall perform the following inspections:

- (a) A visual check of each source, on an operating day basis.
- (b) A visual check of each dust collector associated with the sources listed in this source group, on an operating day basis.
- (c) A manual check of each dust collector associated with the sources listed in this source group, to confirm that it is operating properly on a weekly basis.
- (d) Routine preventative maintenance of each dust collector associated with the sources listed in this source group, with the manufacturers' specifications.
- (e) Routine preventative maintenance of each dust collector associated with the sources listed in this source group, on a monthly basis.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

**SECTION E. Source Group Restrictions.**

For each dust collector (s) associated with the sources of this source group, the permittee shall ensure that a sufficient quantity of spare fabric filter bags is kept on hand for immediate replacement of any bags that have become deteriorated.

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

Source Group 2 consist of the following sources and associated dust collectors:

Source ID 101 (Evonik ID 510) associated dust collector: Source ID C01 (Evonik ID 0511)  
Source ID 109 (Evonik ID 806) associated dust collector: Source ID C09 (Evonik ID 0807)  
Source ID 112A (Evonik ID 0548) associated dust collector: Source ID C10 (Evonik ID 554)  
Source ID 114 (EVONIK ID 3548) associated dust collector: Source ID C14 (Evonik ID 3554)  
Source ID 115 (EVONIK ID 3630) associated dust collector: Source ID C15 (Evonik ID 115)  
Source ID 116 (EVONIK ID 3650) associated dust collector: Source ID C16 (Evonik ID 116)

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

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
003	STEAM GENERATOR NO.3 (708)		
Emission Limit		Pollutant	
0.400	Lbs/MMBTU	Heat Input	TSP
032A	STEAM GENERATOR (BOILER/SUPER HEATER) 3651		
Emission Limit		Pollutant	
0.400	Lbs/MMBTU		TSP
033	STEAM GENERATOR SE354 (715)		
Emission Limit		Pollutant	
300.000	PPMV	Dry Basis, corrected to 3% O <sub>2</sub>	CO
30.000	PPMV	Dry Basis, corrected to 3% O <sub>2</sub> : When firing natural gas	NOX
103A	STORAGE SILOS		
Emission Limit		Pollutant	
0.020	gr/DRY FT3	Total PM (filterable+condensable)	TSP
103B	STORAGE SILO		
Emission Limit		Pollutant	
0.020	gr/DRY FT3	Total PM (filterable+condensable)	TSP
107A	GRANULATING EQUIPMENT		
Emission Limit		Pollutant	
0.020	gr/DRY FT3	At the Outlet of Dust Collector No. 6132	TSP
0.040	gr/DRY FT3	From Each Piece of Equipment, Except As Specified in Condition # 002	TSP
0.430	Lbs/Hr	At the Outlet of Dust Collector No. 6132	TSP
1.880	Tons/Yr	At the Outlet of Dust Collector No. 6132	TSP
107B	GRANULATING EQUIPMENT		
Emission Limit		Pollutant	
0.020	gr/DRY FT3	Total PM (filterable + condensable)	TSP
0.380	Lbs/Hr	f Dust Collector, Limit applies to PM-Tota	TSP
1.660	Tons/Yr	At the Outlet of Dust Collector, Limit applies to PM-Total, PM10, & PM2.5	TSP
108A	MILLING EQUIPMENT		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	From Each Piece of Equipment	TSP
112A	DRYER 3 (0548)		
Emission Limit		Pollutant	
2.580	Lbs/Hr		NOX
11.280	Tons/Yr	Calculated on 12-month rolling sum	NOX
0.040	gr/DRY FT3		TSP

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
114	DRYER IV (3548)		
Emission Limit		Pollutant	
5.450	Lbs/Hr		CO
23.870	Tons/Yr		CO
0.900	Lbs/Hr		NOX
3.940	Tons/Yr		NOX
0.020	gr/DRY FT3	Total PM (filtrable+condensable)	TSP
3.690	Lbs/Hr	At the outlet of Dust collector, Limit applies to PM-Total	TSP
19.010	Tons/Yr	At the outlet of Dust collector, Limit applies to PM-Total	TSP
115	MILLING EQUIPMENT (3630)		
Emission Limit		Pollutant	
0.570	Lbs/Hr	Limit applies to PM10 & PM2.5	PM10
0.020	gr/DRY FT3	Limit applies to PM-Total	TSP
0.570	Lbs/Hr	At the Outlet of Dust Collector, Limit applies to PM-Total	TSP
2.480	Tons/Yr	At the Outlet of Dust Collector, Limit applies to PM-Total, PM10, & PM2.5	TSP
116	MILLING EQUIPMENT (3650)		
Emission Limit		Pollutant	
0.170	Lbs/Hr	Limit applies to PM10 & PM2.5	PM10
0.020	gr/DRY FT3	Limit applies to PM-Total	TSP
0.170	Lbs/Hr	At the Outlet of Dust Collector, Limit applies to PM-Total	TSP
0.760	Tons/Yr	At the Outlet of Dust Collector, Limit applies to PM-Total, PM10, & PM2.5	TSP
117	STORAGE SILO (3612)		
Emission Limit		Pollutant	
0.680	Lbs/Hr	Limit applies to PM10 & PM2.5	PM10
0.020	gr/DRY FT3	Limit applies to PM-Total	TSP
0.680	Lbs/Hr	At the Outlet of Dust Collector, Limit applies to PM-Total	TSP
2.980	Tons/Yr	At the Outlet of Dust Collector, Limit applies to PM-Total, PM10, & PM2.5	TSP

**Site Emission Restriction Summary**

Emission Limit		Pollutant
99.900 Tons/Yr	12-Month Rolling Sum, Calculated Monthly	TSP
24.900 Tons/Yr	12-Month Rolling Sum, Calculated Monthly	NOX





**SECTION G. Emission Restriction Summary.**

**SECTION H. Miscellaneous.**

(a) The following previously-issued documents serve as the basis for certain terms and conditions set forth in this permit:

- (1) Operating Permit No. 23-313-024B.
- (2) Operating Permit No. 23-302-132.
- (3) Operating Permit No. OP-23-0047.
- (4) RFD No. 23-A01-509.
- (5) RFD No. 23-A01-521.
- (6) RFD No. 23-A01-723.
- (7) RFD No. 23-A01-770.
- (8) Plan Approval No. 23-0047B.
- (9) Plan Approval No. 23-0047C.
- (10) Plan Approval No. 23-0047D.
- (11) Plan Approval No. 23-0047E.

(b) The following sources have been determined by the Department to be insignificant sources of air emissions and, therefore, do not require additional limitations, monitoring, or recordkeeping. They are still subject to any applicable federal, state, and local laws and regulations, including those indicated in Section C (Site Level Requirements), of this permit:

- (1) Four portable space heaters, as follows:

Fuel Type	Rated Heat Input	Quantity
Natural Gas	150 mBtu/hr	1
No. 2 Fuel Oil	150 mBtu/hr	2
No. 2 Fuel Oil	300 mBtu/hr	1
	-----	-----
	750 mBtu/hr	4

- (2) Janitorial products.
- (3) Normal repair, maintenance, and upkeep activities.
- (4) Two laboratory hoods (used for product quality control/assurance testing).
- (5) Routine office equipment.
- (6) Cooling tower treatment.
- (7) Boiler water treatment.
- (8) A manufacturing silo with associated dust collector (no. 351), model no. 12-8-100, manufactured by MikroPul.
- (9) Floor vacuum cleanup with an associated dust collector (no. 681), model no. 31-8-55, manufactured by MikroPul.
- (10) A portable vacuum with associated dust collector, model no. 57485, manufactured by Lamson.
- (11) A packer with associated recycle dust collector (no. 627), model no. 1TR-2-60, manufactured by MikroPul.
- (12) A packer (associated with silo no. 635 of Source ID 107A) with associated recycle dust collector (no. 652), model no. 55-8-

**SECTION H. Miscellaneous.**

55, manufactured by MikroPul.

(c) This permit is a renewal of State Only Operating Permit No. 23-00047, initially issued on October 28, 2002 (APS ID 345739, Auth ID 354545), and amended on July 31, 2007 (APS ID 345739, Auth ID 687105). The following is a listing of the changes reflected in this permit (APS ID 345739, Auth ID 683337):

- (1) The owner and plant names have been changed to "Evonik Degussa Corporation."
- (2) An extension has been added to the permit contact person telephone number on the cover page of this permit.
- (3) The source capacity (i.e., rated heat input) listing for Source ID 031 has been corrected in Sections A (Site Inventory List) and D (Source Level Requirements), of this permit.
- (4) The natural gas and propane throughput listings for Source IDs 031, 032, 101, 109, and 112A have been corrected in Sections A and D, of this permit, where applicable.
- (5) As reflected in Sections A and D, of this permit, the following source groupings, control devices, and emission points, along with corresponding source capacity and throughput listings and permit maps, have been reorganized:

Old Source ID(s)	Old Source Name(s)	New Source ID	New Source Name
103	Storage Silos	103A	Storage Silos
107	BV Dust Collector Sources	107A	Granulating Equipment
108	Milling (Impact & Roller Mill)	108A	Milling Equipment
C03 - C05	Storage Silo Baghouse	C03A	Storage Silo Dust Collectors
C06	Milling Baghouse	C06A	Milling Equipment Dust Collectors
C08; C29	BV Dust Coll Baghouse; Baghouse 6132	C08A	Granulating Equipment Dust Collectors
S03 - S05	Storage Silo Stack	S03A	Storage Silo Dust Collector Stacks
S07	Milling Stack	S07A	Milling Equipment Dust Collector Stacks
S09; S29	BV Dust Coll Stack; Baghouse 6132 Stack	S09A	Granulating Equipment Dust Collector
Stacks			

(6) The following source and emission point, along with corresponding throughput listing, permit map, and conditions, have been added to Sections A and D, of this permit, where applicable:

Source ID	Source Name
110	Cold Parts Cleaner
Z02	Cold Parts Cleaner Fugitive Emissions

(7) The following source grouping and emission point, along with corresponding throughput listing, permit map, and conditions, have been removed from Sections A and D, of this permit, where applicable:

Source ID	Source Name
111	Fugitives
Z01	Wastewater Plant and Misc(ellaneous)

- (8) All occurrences of the term "baghouse(s)" in the original permit have been replaced with the term "dust collector(s)."
- (9) The source name for Source ID 112A has been reduced to "dryer #3."
- (10) The amorphous precipitated silica throughput listings for Source ID 112A has been corrected in Sections A and D, of this permit.
- (11) The source (control device) name for Source ID C10 has been reduced to "dryer #3 dust collector."
- (12) The source (emission point) name for Source ID S01 has been corrected to "large & small spray dryer dust collectors stack."

**SECTION H. Miscellaneous.**

(13) The source (emission point) name for Source ID S12 has been changed to "boiler #1 stack."

(14) The source (emission point) name for Source ID S13 has been reduced to "dryer #3 dust collector stack."

(15) An exception for emission into the outdoor atmosphere of fugitive air contaminants from certain types of open burning operations has been added as Condition # 002(f), Section C, of this permit.

(16) The term "air contaminant" has been added after the terms "fugitive" and "visible" in Conditions # 002(g), 006, 011, and 012(a) - (b), Section C, of this permit, where applicable.

(17) The following for Condition # 007, Section C, of the previously-amended permit (Condition # 016, Section C, of this permit):

(i) The language has been revised to specify that the source(s) where any deviations are observed is required to be recorded and that all monitoring required in Condition # 012(a)(1) - (3), Section C, of this permit, is required to be recorded, not only when deviations are observed.

(ii) Requirements to maintain records of a description(s) and the affected source(s) and/or associated air pollution control device(s) of any deviation(s) have been added as Sub-conditions (a)(1) - (2), respectively.

(iii) A requirement that the monitoring shall be recorded and maintained in a Department-approved format and time frame has been added as Sub-condition (b).

(18) A statement that the Department may require testing if it has cause to believe that air contaminant emissions from any source(s) listed in Sections A or G, of this permit, may be in excess of the limitations specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Article III, has been added as Condition # 010, Section C, of this permit.

(19) The following for Condition # 011, Section C, of the previously-amended permit (Condition # 012, Section C, of this permit):

(i) The language of Sub-condition (b) has been revised to specify that any fugitive particulate emissions that originate on-site are required to comply with Sub-condition (b)(1) - (3), not only those that originate on-site and cross the property line.

(ii) The references to "compliance certifications" and "semi-annual monitoring reports" in Sub-condition (e) have been removed.

(20) The phrase "all newly-proposed" has replaced the phrase "the proposed" in Condition # 012, Section C, of the previously-amended permit (Condition # 017, Section C, of this permit).

(21) The requirement to maintain records of the fuel and/or material throughput for each source on a monthly basis has been removed from Condition # 013, Section C, of the previously-amended permit (same condition in this permit).

(22) A requirement to maintain and make available, upon request by the Department, all records, reports, and analysis results used to comply with this permit has been added as Condition # 014, Section C, of this permit.

(23) A requirement to maintain records of all of the facility's emission increases has been added as Condition # 016, Section C, of this permit.

(24) Requirements to describe, in a written report, the affected source(s) and/or associated air pollution control device(s) and their location(s), as well as the cause(s) of, any malfunction(s) at the facility, have been added as Condition # 018(c)(2) and (4), Section C, of this permit, respectively.

(25) A requirement to develop and implement an accidental release program and RMP, as applicable, has been added as Condition # 019, Section C, of this permit.

(26) A requirement to submit a source report, if previously advised by the Department, and statement that an extension of time for filing the source report may be requested, have been added as Condition # 020(a) - (b), Section C, of this permit, respectively.

(27) A requirement that source reports be submitted in a format specified by the Department and contain sufficient information to enable the Department to complete its emission inventory has been added as Condition # 021, Section C, of this permit.

**SECTION H. Miscellaneous.**

(28) Conditions # 016 and 019(b), Section C, of the previously-amended permit, have been removed.

(29) A requirement to calculate the total NO<sub>x</sub> and PM emissions from the facility on a monthly and 12-month rolling basis has been added as Condition # 023(a) - (b), Section C, of this permit, respectively.

(30) Condition # 002, Section D (under Source IDs 031 - 032), of the previously-amended permit, has been removed (the sulfur oxides [SO<sub>x</sub>] emission restriction is not expected to be attained using natural gas or propane).

(31) Condition # 005(a), Section D (under Source ID 031), of the original permit, has been removed (the value is the rated heat input, which is not expected to be exceeded).

(32) Requirements to monitor and maintain records of the hours of operation for the boilers on a monthly basis have been added as Conditions # 005 and 007, Section D (under Source ID 031), of this permit, respectively, and Conditions # 003(a) and 004(a), Section D (under Source ID 032), of this permit, respectively.

(33) Source descriptions have been added to Section D, of this permit, as follows:

(i) Condition # 010 (under Source ID 031), of this permit.

(ii) Condition # 005 (under Source ID 032), of this permit.

(iii) Condition # 012 (under Source IDs 101, 107A, 109, and 112A), of this permit.

(iv) Condition # 009 (under Source IDs 103A and 108A), of this permit.

(34) A fuel restriction for natural gas and propane has been added as Condition # 002 (under Source IDs 101, 109, and 112A), Section D, of this permit.

(35) Requirements to monitor and maintain records of the hours of operation for and type and amount of fuel consumed by the dryers on a monthly basis have been added as Conditions # 003(a) - (c) and 005(a) - (c), Section D (under Source IDs 101 and 109), of this permit, respectively, and Conditions # 004(a) - (c) and 008(a) - (c), Section D (under Source ID 112A), of this permit, respectively.

(36) Requirements to maintain records of the dust collector and date whenever the differential pressure alarm set point is reached for the various dust collectors has been added to Section D, of this permit, where applicable, as follows:

(i) Condition # 008(a), Section D (under Source IDs 101 and 109), of this permit (date only, as only one dust collector is associated with each dryer).

(ii) Condition # 005(a) - (b), Section D (under Source IDs 103A and 108A), of this permit, respectively.

(iii) Condition # 006(a) - (b), Section D (under Source ID 107A), of this permit, respectively.

(iv) Condition # 007(a), Section D (under Source ID 112A), of this permit (date only, as only one dust collector is associated with the dryer).

(37) A requirement to maintain records of the differential pressure across the dust collectors associated with the dryers on an operating day basis has been added to Section D, of this permit, as follows:

(i) Condition # 006, Section D (under Source IDs 101 and 109), of this permit.

(ii) Condition # 005, Section D (under Source ID 112A), of this permit.

(38) A requirement to maintain records of all preventative maintenance inspections for the dryers and various dust collectors at the facility has been added to Section D, of this permit, where applicable, as follows:

(i) Condition # 007, Section D (under Source IDs 101 and 109), of this permit.

(ii) Condition # 004, Section D (under Source IDs 103A and 108A), of this permit.

**SECTION H. Miscellaneous.**

(iii) Condition # 005, Section D (under Source ID 107A), of this permit.

(iv) Condition # 006, Section D (under Source ID 112A), of this permit.

(39) A schedule for performing inspections (i.e., checks and preventative maintenance) for the dryers, equipment, and various dust collectors at the facility has been added to Section D, of this permit, where applicable, as follows:

(i) Condition # 010, Section D (under Source IDs 101, 109, and 112A), of this permit.

(ii) Condition # 007, Section D (under Source IDs 103A and 108A), of this permit.

(iii) Condition # 009, Section D (under Source ID 107A), of this permit.

(40) Condition # 004, Section D (under Source IDs 101, 103, 107, 108, and 109), of the previously-amended permit, and Condition # 005, Section D (under Source ID 112), of the previously-amended permit, have been incorporated into (c)(38), above.

(41) Requirements to operate and maintain a differential pressure gauge and operate within a differential pressure range for the various dust collectors at the facility have been added to Section D, of this permit, where applicable, as follows:

(i) Condition # 011, Section D (under Source IDs 101, 109, and 112A), of this permit.

(ii) Condition # 008(a) - (d), Section D (under Source IDs 103A and 108A), of this permit.

(iii) Condition # 010(a) - (d), Section D (under Source ID 107A), of this permit.

(42) Except as specified in (c)(36), above, a requirement to maintain records of the differential pressure across each of the dust collectors at the facility on either a daily or weekly basis, based on whether or not the gauge automatically reports, has been added to Section D, of this permit, as follows:

(i) Condition # 003(a) - (b), Section D (under Source IDs 103A and 108A), of this permit.

(ii) Condition # 004(a) - (b), Section D (under Source ID 107A), of this permit.

(43) Condition # 006(f), Section D (under Source ID 103A), of the previously-amended permit, has been removed (already covered by Condition # 025, Section C, of this permit).

(44) The SO<sub>x</sub> emission restrictions for Source IDs 031 and 032 in Section F (Emission Restriction Summary), of the previously-amended permit, have been removed.

(45) PM emission restrictions have been added for Source ID 107A (at the outlet of dust collector no. 6132) to Section F, of this permit.

(d) State Only Operating Permit: APS No. 345739; AUTH No. 943887

(e) May, 2014. APS : 345739, AUTH : 1023049. Minor Modification of Sources ID # 103 A, & # 108A.

(f) November 2016. APS : 345739, AUTH : 1154607. Administrative Amendment to incorporate PA # 23-0047F.

(g) July 2018: APS: 345739 AUTH: 1192015

-This SMOP has been renewed and incorporated PA 23-0047G and PA 23-0047H into the permit.

- Evonik installed a Steam Generator (Boiler/Super Heater) 3651 approved through RFD 6062 on December 12, 2016. The Steam Generator is manufactured by Vapor Power, Model No. HS2-H4748-SHK with a rated heat input of 9.735 MMBTU/HR burning natural gas and propane as back-up. The steam generator was exempt from needing a plan approval under 25 pa. Code Section 127.14(a)(3). The steam generator is not listed in Section D of the permit as it is less than 10 MMBTU/HR and the PTE are minimal at less than 4 tpy. Evonik will calculate and record the NO<sub>x</sub> and PM emissions monthly and on a 12-month rolling sum in order to comply with the overall facility limits. Source ID 032A was created in DEP's database for emission reporting.

**SECTION H. Miscellaneous.**

- Under Plan Approval 23-0047G, Evonik conducted a stack test for total PM emissions (filterable + condensable) on Silo 1614 venting to baghouse 1615 that was replaced (Source ID 103A and C03A). The retest was conducted in August 2016. The test results were sent to the Department in October of 2016, the preliminary results showed baghouse 1615 passing the PM emission, the limit was 0.02 gr/dscf and the test results were 0.004 gr/dscf. The Department is still reviewing the test results and as of June 2018 has not sent out a final determination letter accepting the results. If the Source Testing Group for the DEP finds the stack test results unacceptable, then Evonik will have to retest.

AUTH: 1307220

This operating permit has been amended to incorporate the conditions of Plan Approval 23-0047I. The Sources that were incorporated are the following:

Source ID 115 Milling Equipment (3630) with control device C15, milling equipment 115 dust collector

Source ID 116 Milling Equipment (3650) with control device C16, milling equipment 116 dust collector

Source ID 117 Storage Silo (3612) with control device C17, storage silo 117 dust collector

-----  
April 2025

This permit is the initial Title V Operating Permit (AUTH ID 1458055; APS ID 1098687; PF ID 3182).

The following items have been addressed with issuance of the initial permit:

The Responsible Official has been updated to Michael Ocbo, Plant Manager.

The facility has been reclassified as to a Title V facility. SOOP No. 23-00047 will serve as the basis of this initial permit 23-00047 TVOP.

Condition #014, Section C was added to the permit to address the applicable deviation reporting requirements for all TVOP.

Condition #017, Section C was added to the permit to address the applicability of 40 CFR Part 98 greenhouse gas reporting requirements (See Regulatory Analysis section below for applicability).

Condition #020, Section C was added to permit to address the annual NOx/VOC reporting requirements for all TVOP.

Source ID 003: Previously identified as Boiler No. 3 (708) will be identified as Steam Generator No. 3 (708).

Source ID 033: Previously identified as Boiler No. 2 will be identified as Steam Generator SE354 (715).

Source ID 031: Boiler 2 (715) was replaced with a Clayton Boiler, Model SEGG354-2-FGR that was installed under GP1-23-0162. The replacement unit is identified as Steam Generator SE354 (715), Source ID No. 033.

Some conditions of Sources IDs 101, 109, 112A, 114, 115 and 116 have been grouped and moved from Section D to Section E. Two (2) 30, 000-gallon storage tanks used to store the back-up propane fuel listed in Section H of the permit has been removed. References to propane as an alternate fuel from Sections A and D has been removed.

Steam Generator 3651 (Source ID 032A) will be moved from Section H to Section D.

The following RFDs have been reviewed since the last permit action:

RFD 7193: Temporary operation of a Cleaver Brooks CB350-250 boiler rated at 11.723 MMBtu to facilitate the repairs to Source ID 031.

RFD 7664: RFD approved for the maintenance and upkeep to Dryer 3 Source ID 112A. The maintenance request included the replacement of various mechanical parts. The changes did not result in any changes to the rated capacity of the burner.

RFD 9340: RFD was approved to allow facility testing of the operational limits for Source IDs 115 (Evonik ID 3630) and 116 (Evonik ID 3650). The sources were installed in 2018 to replace the older production mills at the facility.

January 2026

Title V Operating Permit (TVOP) Minor Modification, AUTH ID 1550395; APS ID 1098687; PF ID 3182: This permit action is for the

**SECTION H. Miscellaneous.**

incorporation of changes approved under RFD Requestion for determination (RFD) No. 11228 for the installation of a closed pipe system to connect two existing Sources: Mill 3630 (Source ID115) and Silo 2657 (Source ID 108A).

Source ID 115, Condition #007 was added to incorporate the changes approved under RFD 11228





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

---