



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: June 11, 2024 Effective Date: June 11, 2026
Revision Date: April 28, 2026 Expiration Date: December 11, 2026
Revision Type: Extension

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 construct, install, modify or reactivate the air emission source(s) more fully described in the site inventory list. This Facility is subject to all terms and conditions specified in this plan approval. Nothing in this plan approval 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 plan approval condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated as "State-Only" requirements.

Plan Approval No. 09-0032B

Federal Tax Id - Plant Code: 23-1445817-2

Owner Information

Name: EUREKA STONE QUARRY INC
Mailing Address: 851 COUNTY LINE RD
HUNTINGDON VALLEY, PA 19006-1111

Plant Information

Plant: EUREKA STONE QUARRY/CHALFONT QUARRY & ASPHALT PLT
Location: 09 Bucks County 09950 Warrington Township
SIC Code: 1429 Mining - Crushed And Broken Stone, Nec

Responsible Official

Name: ALICE MEEHAN
Title: VP/GEN COUNSEL
Phone: (215) 333 - 8000 Email: ameehan@jdm-inc.com

Plan Approval Contact Person

Name: JAMES FUREY
Title: EHS DIR
Phone: (215) 333 - 8000 Email: jfurey@jdm-inc.com

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



Plan Approval Description

This Plan Approval is issued to Eureka Stone Quarry Inc. - Chalfont Quarry & Asphalt Plant for the construction and installation of a new Crushing Plant. The Crushing Plant consists of one (1) primary crusher, two (2) secondary crushers, one (1) tertiary crusher, one (1) grizzly feeder, three (3) fines screens, two (2) scalper screens and nineteen (19) conveyors. Emissions from the new Crusher Plant will be controlled by two (2) existing wet suppression systems (Source IDs C001 and C002). Additionally, all hoses and nozzles for the wet suppression systems will be replaced.



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

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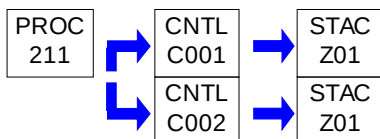
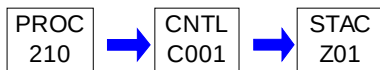
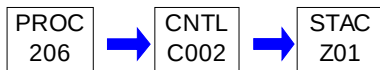
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**SECTION A. Plan Approval Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
202	PRIMARY CRUSHER	2,000.000 Tons/HR	STONE
203	SECONDARY CRUSHER #1	1,300.000 Tons/HR	STONE
204	SECONDARY CRUSHER #2	1,000.000 Tons/HR	STONE
205	TERTIARY CRUSHER	1,000.000 Tons/HR	STONE
206	SCALPER SCREENS	3,000.000 Tons/HR	STONE
207	FINE SCREENS	3,000.000 Tons/HR	STONE
210	GRIZZLY FEEDER	1,000.000 Tons/HR	STONE
211	CONVEYING AND HANDLING		
212	STOCKPILES		
C001	WET SUPPRESSION SYSTEM 1	N/A	WATER
C002	WET SUPPRESSION SYSTEM 2	N/A	WATER
Z01	FUGITIVE EMISSIONS		

PERMIT MAPS

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

Words and terms that are not otherwise defined in this plan approval 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 § 127.12b (a) (b)]**Future Adoption of Requirements**

The issuance of this plan approval does not prevent the future adoption by the Department of any rules, regulations or standards, or the issuance of orders necessary to comply with the requirements of the Federal Clean Air Act or the Pennsylvania Air Pollution Control Act, or to achieve or maintain ambient air quality standards. The issuance of this plan approval shall not be construed to limit the Department's enforcement authority.

#003 [25 Pa. Code § 127.12b]**Plan Approval Temporary Operation**

This plan approval authorizes temporary operation of the source(s) covered by this plan approval provided the following conditions are met.

(a) When construction, installation, modification, or reactivation is being conducted, the permittee shall provide written notice to the Department of the completion of the activity approved by this plan approval and the permittee's intent to commence operation at least five (5) working days prior to the completion of said activity. The notice shall state when the activity will be completed and when the permittee expects to commence operation. When the activity involves multiple sources on different time schedules, notice is required for the commencement of operation of each source.

(b) Pursuant to 25 Pa. Code § 127.12b (d), temporary operation of the source(s) is authorized to facilitate the shakedown of sources and air cleaning devices, to permit operations pending the issuance of a permit under 25 Pa. Code Chapter 127, Subchapter F (relating to operating permits) or Subchapter G (relating to Title V operating permits) or to permit the evaluation of the air contaminant aspects of the source.

(c) This plan approval authorizes a temporary operation period not to exceed 180 days from the date of commencement of operation, provided the Department receives notice from the permittee pursuant to paragraph (a), above.

(d) The permittee may request an extension of the 180-day shakedown period if further evaluation of the air contamination aspects of the source(s) is necessary. The request for an extension shall be submitted, in writing, to the Department at least 30 days prior to the end of the initial 180-day shakedown period and shall provide a description of the compliance status of the source, a detailed schedule for establishing compliance, and the reasons compliance has not been established. This temporary operation period will be valid for a limited time and may be extended for additional limited periods, each not to exceed 180 days.

(e) The notice submitted by the permittee pursuant to subpart (a) above, prior to the expiration of the plan approval, shall modify the plan approval expiration date on Page 1 of this plan approval. The new plan approval expiration date shall be 180 days from the date of commencement of operation.

#004 [25 Pa. Code § 127.12(a) (10)]**Content of Applications**

The permittee shall maintain and operate the sources and associated air cleaning devices in accordance with good engineering practice as described in the plan approval application submitted to the Department.

#005 [25 Pa. Code §§ 127.12(c) and (d) & 35 P.S. § 4013.2]**Public Records and Confidential Information**

(a) The records, reports or information obtained by the Department or referred to at public hearings shall be available to the public, except as provided in paragraph (b) of this condition.

(b) Upon cause shown by the permittee that the records, reports or information, or a particular portion thereof, but not emission data, to which the Department has access under the act, if made public, would divulge production or sales figures or methods, processes or production unique to that person or would otherwise tend to affect adversely the

**SECTION B. General Plan Approval Requirements**

competitive position of that person by revealing trade secrets, including intellectual property rights, the Department will consider the record, report or information, or particular portion thereof confidential in the administration of the act. The Department will implement this section consistent with sections 112(d) and 114(c) of the Clean Air Act (42 U.S.C.A. § 7412(d) and 7414(c)). Nothing in this section prevents disclosure of the report, record or information to Federal, State or local representatives as necessary for purposes of administration of Federal, State or local air pollution control laws, or when relevant in a proceeding under the act.

#006 [25 Pa. Code § 127.12b]**Plan Approval Terms and Conditions**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.13]

(a) This plan approval will be valid for a limited time, as specified by the expiration date contained on Page 1 of this plan approval. Except as provided in § 127.11a and 127.215 (relating to reactivation of sources; and reactivation), at the end of the time, if the construction, modification, reactivation or installation has not been completed, a new plan approval application or an extension of the previous approval will be required.

(b) If construction has commenced, but cannot be completed before the expiration of this plan approval, an extension of the plan approval must be obtained to continue construction. To allow adequate time for departmental action, a request for the extension shall be postmarked at least thirty (30) days prior to the expiration date. The request for an extension shall include the following:

- (i) A justification for the extension,
- (ii) A schedule for the completion of the construction

If construction has not commenced before the expiration of this plan approval, then a new plan approval application must be submitted and approval obtained before construction can commence.

(c) If the construction, modification or installation is not commenced within 18 months of the issuance of this plan approval or if there is more than an 18-month lapse in construction, modification or installation, a new plan approval application that meets the requirements of 25 Pa. Code Chapter 127, Subchapter B (related to plan approval requirements), Subchapter D (related to prevention of significant deterioration of air quality), and Subchapter E (related to new source review) shall be submitted. The Department may extend the 18-month period upon a satisfactory showing that an extension is justified.

#007 [25 Pa. Code § 127.32]**Transfer of Plan Approvals**

(a) This plan approval may not be transferred from one person to another except when a change of ownership is demonstrated to the satisfaction of the Department and the Department approves the transfer of the plan approval in writing.

(b) Section 127.12a (relating to compliance review) applies to a request for transfer of a plan approval. A compliance review form shall accompany the request.

(c) This plan approval is valid only for the specific source and the specific location of the source as described in the application.

#008 [25 Pa. Code § 127.12(a)(4) & 35 P.S. § 4008 & § 114 of the CAA]**Inspection and Entry**

(a) 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.

(b) The permittee shall also allow the Department to have access at reasonable times to said sources and associated air cleaning devices with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act and regulations adopted under the act.

**SECTION B. General Plan Approval Requirements**

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

#009 [25 Pa. Code 127.13a]**Plan Approval Changes for Cause**

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

- (a) The permittee constructs or operates the source subject to the plan approval in violation of the act, the Clean Air Act, the regulations promulgated under the act or the Clean Air Act, a plan approval or permit or in a manner that causes air pollution.
- (b) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (c) The permittee fails to submit a report required by this plan approval.
- (d) The Environmental Protection Agency determines that this plan approval is not in compliance with the Clean Air Act or the regulations thereunder.

#010 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

- (a) The permittee, 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 plan approval, 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.

#011 [25 Pa. Code § 127.12c]**Submissions**

Reports, test data, monitoring data, notifications shall be submitted to the:

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

#012 [25 Pa. Code § 127.12(a)(9) & 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 facility. The permittee shall submit the RMP to the Environmental Protection Agency according to the following schedule and requirements:
 - (1) The permittee shall submit the first RMP to a central point specified by the Environmental Protection Agency no later than the latest of the following:

**SECTION B. General Plan Approval 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 the Environmental Protection Agency 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 plan approval 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.

#013 [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).

#014 [25 Pa. Code § 127.25]**Compliance Requirement**

A person may not cause or permit the operation of a source subject to § 127.11 (relating to plan approval requirements), unless the source and air cleaning devices identified in the application for the plan approval and the plan approval issued to the source, are operated and maintained in accordance with specifications in the application and conditions in the plan approval issued by the Department. A person may not cause or permit the operation of an air contamination source subject to this chapter in a manner inconsistent with good operating practices.

**SECTION C. Site Level Plan Approval Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [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.

002 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall limit the emissions from the Crushing Plant to the following: total particulate matter (PM) to 68 tons per year, particulate matter less than 10 microns (PM₁₀) to 27 tons per year and particulate matter less than 2.5 microns (PM_{2.5}) to 4 tons per year, as calculated on a 12-month rolling basis. Crushing Plant emissions include emissions from the sources listed in this plan approval and emissions from associated vehicular traffic.

Fuel Restriction(s).**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.671]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Definitions.**

(a) Only nonmetallic mineral may be processed at this facility. Nonmetallic mineral means any of the following minerals or any mixture of which the majority is any of the following minerals:

- (1) Crushed and Broken Stone, including Limestone, Dolomite, Granite, Traprock, Sandstone, Quartz, Quartzite, Marl, Marble, Slate, Shale, Oil Shale, and Shell.
- (2) Sand and Gravel.
- (3) Clay including Kaolin, Fireclay, Bentonite, Fuller's Earth, Ball Clay, and Common Clay.
- (4) Rock Salt.
- (5) Gypsum (natural or synthetic).
- (6) Sodium Compounds, including Sodium Carbonate, Sodium Chloride, and Sodium Sulfate.
- (7) Pumice.
- (8) Gilsonite.
- (9) Talc and Pyrophyllite.
- (10) Boron, including Borax, Kernite, and Colemanite.
- (11) Barite.
- (12) Fluorospars.
- (13) Feldspar.
- (14) Diatomite.
- (15) Perlite.
- (16) Vermiculite.
- (17) Mica.
- (18) Kyanite, including Andalusite, Sillimanite, Topaz, and Dumortierite.

Throughput Restriction(s).**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) Each crusher at this site shall be limited to a feed rate not to exceed its rated capacity.

(b) The entire crushing plant, represented by Source IDs 202, 203, 204, 205, 206, 207, 210 and 211 shall be limited to an annual feed rate to the grizzly feeder and primary crusher of 9,360,000 tons of stone (non-metallic minerals) calculated on a 12-month rolling sum basis.

II. TESTING REQUIREMENTS.**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.675]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Test methods and procedures.**

a) The permittee shall conduct performance tests on the crushing plant, using the Department-approved procedures within 180 days after startup of the source and/or control device. Opacity observations shall be conducted within 60 days

**SECTION C. Site Level Plan Approval Requirements**

after achieving the maximum production rate at which the affected facility will be operated but no later than 180 days after initial startup of the facility.

b) To determine compliance with the opacity standards of Table 3 to Subpart 000 of Part 60, the permittee shall use Method 9 and the procedures in 40 CFR Section 60.11 with the following additions:

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

ii. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun Method 9 must be followed.

iii. When determining compliance with the fugitive PM emissions standard of this plan approval, the duration of the Method 9 observations must be 30 minutes (five 6-minute averages). Compliance with fugitive PM emissions standard must be based on the average of the five 6-minute averages.

c) Method 9 shall be conducted on Source IDs 202, 203, 204, 205, 206, 207, 210, and 211.

d) If the initial performance test date for an affected facility falls during a seasonal shut down (as defined in § 60.671 of 40 CFR 60 Subpart 000) of the affected facility, then with approval from DEP, the owner or operator may postpone the initial performance test until no later than 60 calendar days after resuming operation of the affected facility.

III. MONITORING REQUIREMENTS.**# 006 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

(a) A device approved by the Department and maintained to provide accurate opacity measurements; or

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

007 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

(a) The permittee shall monitor the following information on a daily basis:

The amount of material processed by the entire stone Crushing Plant which includes: Source IDs 202; 203; 204; 205; 206; 207; 210; 211; and 212.

IV. RECORDKEEPING REQUIREMENTS.**# 008 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The owner/operator shall record the total particulate emissions calculated from the entire Crushing Plant which includes: Source IDs 202; 203; 204; 205; 206; 207; 210; 211; and 212, on a monthly and on a 12-month rolling basis. The particulate matter emissions shall be recorded as PM, PM-10 and PM 2.5.

009 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

(a) The permittee shall record the following information on a daily, monthly and 12-month rolling sum basis:

The amount of material processed by the entire stone Crushing Plant which includes: Source IDs 202; 203; 204; 205; 206; 207; 210; 211; and 212.

**SECTION C. Site Level Plan Approval Requirements****V. REPORTING REQUIREMENTS.****# 010 [25 Pa. Code §127.12b]****Plan approval 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 (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.

VI. WORK PRACTICE REQUIREMENTS.**# 011 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

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

012 [25 Pa. Code §127.12b]**Plan approval 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 plan approval, 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

**SECTION C. Site Level Plan Approval Requirements**

applicable rule promulgated under the Clean Air Act.

VII. ADDITIONAL REQUIREMENTS.**# 013 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- (a) The non metallic mineral processing plant comprising Source IDs 202 ,203,204, 205,206, 207, 210, 211 and 212 authorized by this Plan Approval. shall be a replacement for the non metallic processing plant comprising Source IDs 101, 102, 103, 104, 105, 106, 109, 110, 111, and 112 which is currently operated under State Only Operating Permit No. 09-00032.
- (b) The permittee shall comply with all of the existing requirements of its current State Only Operating Permit No. 09-00032, unless specifically revised in this Plan Approval.

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this plan approval including Section B (relating to Plan Approval General Requirements).

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

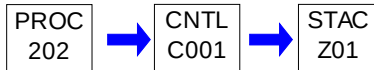
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 202

Source Name: PRIMARY CRUSHER

Source Capacity/Throughput: 2,000.000 Tons/HR STONE

Conditions for this source occur in the following groups: GROUP 01

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

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The rated capacity of the primary crusher shall not exceed 2000 tons/hr;

(b) The primary crusher and grizzly shall be limited to a production of 3000 tons/hr, calculated as an average on a daily basis.

Control Device Efficiency Restriction(s).

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Emissions from the primary crusher shall be controlled by Wet Suppression System #1 (Source ID C001).

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall monitor the total amount of stone primary crusher processed through the grizzly feeder on a daily basis.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall record the total amount of stone primary crusher processed through the grizzly feeder on a daily basis.

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Plan Approval Requirements****VII. ADDITIONAL REQUIREMENTS.****# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

This source consists of a primary crusher manufactured by Taylor Model No. 4270 with rated capacity of 2000 tons per hour.

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

The following are associated with this source:

210 Grizzly Feeder

211 Conveying and Handling

212 Stockpiles

C001 Wet Dust Suppression System #1

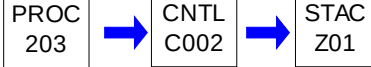
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 203

Source Name: SECONDARY CRUSHER #1

Source Capacity/Throughput: 1,300.000 Tons/HR STONE

Conditions for this source occur in the following groups: GROUP 01

**I. RESTRICTIONS.****Control Device Efficiency Restriction(s).**

001 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

Emissions from this secondary crusher shall be controlled by Wet Suppression System #2 (Source ID C002).

II. TESTING REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

002 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

This source consists of a secondary crusher manufactured by Allis Chambers Model No. 1784 with rated capacity of 1300 tons per hour.

003 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The following are associated with this source:

203 Primary Secondary Crusher #1

**SECTION D. Source Level Plan Approval Requirements**

211 Conveying and Handling
212 Stockpiles
C002 Wet Dust Suppression System #2

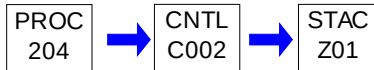
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 204

Source Name: SECONDARY CRUSHER #2

Source Capacity/Throughput: 1,000.000 Tons/HR STONE

Conditions for this source occur in the following groups: GROUP 01

**I. RESTRICTIONS.****Control Device Efficiency Restriction(s).**

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Emissions from this secondary crusher shall be controlled by Wet Suppression System #2 (Source ID C002).

II. TESTING REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

This source consists of a secondary crusher manufactured by Allis Chambers Model No. 584 with rated capacity of 1000 tons per hour.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The following are associated with this source:

204 Secondary Crusher #2

**SECTION D. Source Level Plan Approval Requirements**

211 Conveying and Handling
212 Stockpiles
C002 Wet Dust Suppression System #2

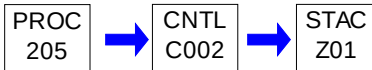
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 205

Source Name: TERTIARY CRUSHER

Source Capacity/Throughput: 1,000.000 Tons/HR STONE

Conditions for this source occur in the following groups: GROUP 01

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]**
Plan approval terms and conditions.

Emissions from this tertiary crusher shall be controlled by Wet Suppression System #2 (Source ID C002).

II. TESTING REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.**# 002 [25 Pa. Code §127.12b]**
Plan approval terms and conditions.

This source consists of a tertiary crusher manufactured by Sandvick Model No. 6000 with rated capacity of 1000 tons per hour.

003 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The following are associated with this source:

205 Tertiary Crusher

**SECTION D. Source Level Plan Approval Requirements**

211 Conveying and Handling
212 Stockpiles
C002 Wet Dust Suppression System #2

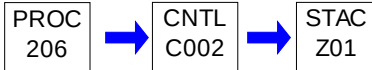
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 206

Source Name: SCALPER SCREENS

Source Capacity/Throughput: 3,000.000 Tons/HR STONE

Conditions for this source occur in the following groups: GROUP 01

**I. RESTRICTIONS.****Control Device Efficiency Restriction(s).**

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Emissions from the scalper screens shall be controlled by Wet Suppression System #2 (Source ID C002).

II. TESTING REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

This source consists of two (2) scalper screens manufactured by Diester Model No. HM-3820, each rated at 1500 tons per hour.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The following are associated with this source:

206 Scalper Screens

**SECTION D. Source Level Plan Approval Requirements**

211 Conveying and Handling
212 Stockpiles
C002 Wet Dust Suppression System #2

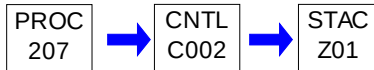
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 207

Source Name: FINE SCREENS

Source Capacity/Throughput: 3,000.000 Tons/HR STONE

Conditions for this source occur in the following groups: GROUP 01

**I. RESTRICTIONS.****Control Device Efficiency Restriction(s).**

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Emissions from the fines screens shall be controlled by Wet Suppression System #2 (Source ID C002).

II. TESTING REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

This source consists of three (3) fine screens manufactured by Simplicity Model No. 8x25, each rated at 1000 tons per hour.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The following are associated with this source:

207 Fine Screens

211 Conveying and Handling

**SECTION D. Source Level Plan Approval Requirements**

212 Stockpiles
C002 Wet Dust Suppression System #2

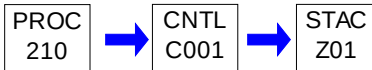
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 210

Source Name: GRIZZLY FEEDER

Source Capacity/Throughput: 1,000.000 Tons/HR STONE

Conditions for this source occur in the following groups: GROUP 01

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

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The rated capacity of the grizzly feeder shall not exceed 1000 tons/hr;

(b) The primary crusher and grizzly shall be limited to a production of 3000 tons/hr, calculated as an average on a daily basis.

Control Device Efficiency Restriction(s).

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Emissions from the grizzly feeder shall be controlled by Wet Suppression System #1 (Source ID C001).

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall monitor the total amount of stone processed through the grizzly feeder on a daily basis.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall record the total amount of stone processed through the grizzly feeder on a daily basis.

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Plan Approval Requirements****VII. ADDITIONAL REQUIREMENTS.****# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

This source consists of a grizzly feeder manufactured by Diester Model No. 8x24, rated at 1000 tons per hour.

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

The following are associated with this source:

202 Primary Crusher

211 Conveying and Handling

212 Stockpiles

C001 Wet Dust Suppression System #1

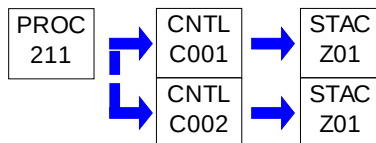
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 211

Source Name: CONVEYING AND HANDLING

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 01

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

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Emissions from this source shall be controlled by Wet Suppression System #1 (Source ID C001) and Wet Suppression #2 (Source ID C002).

II. TESTING REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

This source consists of the following conveyors:

Conveyor	Capacity (TPY)	Location
C1	3000	Primary crusher to Scalper Screens
C2	650	Scalper Screens to Surge Pile

**SECTION D. Source Level Plan Approval Requirements**

C3	650	Scalper Screens to Surge Pile
C4	650	Scalper Screens to Surge Pile
C5	650	Scalper Screens to Surge Pile
C6	1000	Surge Pile to Turn Box
C7	1000	Turn Box to Tertiary Crusher
C8	1000	Turn Box to Secondary Crushers
C9	1000	Turn Box to Secondary Crushers
C10	1000	Tertiary Crusher to Fine Screens
C11	1000	Secondary Crushers to Fine Screens
C12	1000	Secondary Crusher to Fine Screens
C14	1000	Secondary Crushers to Surge Pile
C15	1000	Tertiary Crusher to Surge Pile
C16	100	Surge Pile - Underground conveyor
C17	100	Surge Pile to Fill Box
C18	100	Surge Pile to Fill Box
C19	100	Surge Pile to Fill Box

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 212

Source Name: STOCKPILES

Source Capacity/Throughput:

I. RESTRICTIONS.**Control Device Efficiency Restriction(s).**

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Emissions from this source shall be controlled by Wet Suppression System #1 (Source ID C001) and Wet Suppression #2 (Source ID C002).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: C001

Source Name: WET SUPPRESSION SYSTEM 1

Source Capacity/Throughput:

N/A

WATER

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The Crushing Plant, to including all sources listed in this plan approval, shall not be operated if any part of the water spray suppression system is not functioning or operating efficiently.

Control Device Efficiency Restriction(s).**# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The wet dust suppression system shall be operated on any and all occasions that any individual source (Source IDs 202, 203, 204, 205, 206, 207, 210, 211 and 212) comprising the mineral crushing plant is operated, except in those unusual instances where conditions are such that operation of the source without the simultaneous operation of the water suppression system can take place without creating air contaminant emissions in excess of the limitations specified in this permit.

(b) The water spray suppression system shall be operated efficiently and shall not at any time cause the emission of fugitive air contaminant from the controlled sources in excess of the limitations specified in 25 Pa. Code Section 123.1.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The following parameters of the water spray suppression system shall be monitored and displayed at all times the water spray suppression system is operating.

- (1) Flow rate of water in gallons per minute.
- (2) Water pressure in pounds per square inch.

(b) The water spray suppression system shall be inspected daily, when the plant is operating, for the following:

- (1) Spray nozzles for plugging, alignment and condition.
- (2) Hoses for leaks, loose hose clamps and condition.
- (3) Discharge pressure at pump manifold.

(c) The minerals processing plant shall be monitored daily for fugitive emissions.

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.674]**Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants****Monitoring of operations.**

a) The permittee shall perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system.

b) If the water is not flowing properly during an inspection of the water spray nozzles, the permittee shall initiate corrective action within 24 hours and complete corrective action as expeditiously as practical.

**SECTION D. Source Level Plan Approval Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The following records shall be kept in a bound logbook on a daily basis:

- (1) Records of water flow rate in gallons per minute.
- (2) Records of water pressure in pounds per square inch.
- (3) Records of the daily inspection required in Conditions #003(b) and #003(c).

(b) The following records shall be kept if any components of the water spray suppression system malfunction:

- (1) The date, time and type of malfunction.
- (2) The cause of the malfunction.
- (3) The corrective actions taken to correct the malfunction.

(c) The above records shall be kept for a period of five years.

006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Reporting and recordkeeping.**

The permittee shall record each inspection of the water spray nozzles in the logbook (in written or electronic format) required under 40 CFR § 60.676(b) . The record shall include:

The date of each inspection
Any corrective actions taken.

The permittee shall make copies of the record available to the administrator upon request.

If the permittee ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required under 40 CFR § 60.676(b) must specify the control mechanism being used instead of the water sprays.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The water spray suppression system is to be constructed as per the manufacturer's specifications. No modifications may be made to the water spray suppression system without prior written approval from the Department.

(b) Water spray suppression system #1 shall consist of the following:

Manufacturer: Dustpro

Model: Model 402

Controlled Sources: Primary crusher and Grizzly Feeder - Source IDs 202 and 210 and associated equipment (Conveying and Handling) - Source ID 211.

Pump Rating: TBD

No. of Lines: 2

**SECTION D. Source Level Plan Approval Requirements**

Lines 1: Truck charging of Grizzly Feeder

Lines 2: Primary crusher and associated equipment (including all transfer points)

(c) The water spray suppression system shall incorporate the cold weather options, including: heater for pump module, air purge system, and the anti-freeze injection system, as per the manufacturer's specifications.

(d) The company shall maintain a sufficient amount of spare, spray nozzles on site.

(e) For Source ID C001, suitable ranges of water flow rate in gallons per minute and of water pressure in pounds per square inch shall be determined before incorporating the Plan Approval into an Operating Permit.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: C002

Source Name: WET SUPPRESSION SYSTEM 2

Source Capacity/Throughput:

N/A

WATER

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The Crushing Plant, to including all sources listed in this plan approval, shall not be operated if any part of the water spray suppression system is not functioning or operating efficiently.

002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.674]**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Monitoring of operations.**

- a) The permittee shall perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system.
- b) If the water is not flowing properly during an inspection of the water spray nozzles, the permittee shall initiate corrective action within 24 hours and complete corrective action as expeditiously as practical.

Control Device Efficiency Restriction(s).**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The wet dust suppression system shall be operated on any and all occasions that any individual source (Source IDs 202, 203, 204, 205, 206, 207, 210, 211 and 212) comprising the mineral crushing plant is operated, except in those unusual instances where conditions are such that operation of the source without the simultaneous operation of the water suppression system can take place without creating air contaminant emissions in excess of the limitations specified in this permit.

(b) The water spray suppression system shall be operated efficiently and shall not at any time cause the emission of fugitive air contaminant from the controlled sources in excess of the limitations specified in 25 Pa. Code Section 123.1.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The following parameters of the water spray suppression system shall be monitored and displayed at all times the water spray suppression system is operating.

- (1) Flow rate of water in gallons per minute.
- (2) Water pressure in pounds per square inch.

(b) The water spray suppression system shall be inspected daily, when the plant is operating, for the following:

- (1) Spray nozzles for plugging, alignment and condition.
- (2) Hoses for leaks, loose hose clamps and condition.
- (3) Discharge pressure at pump manifold.

(c) The minerals processing plant shall be monitored daily for fugitive emissions

**SECTION D. Source Level Plan Approval Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The following records shall be kept in a bound logbook on a daily basis:

- (1) Records of water flow rate in gallons per minute.
- (2) Records of water pressure in pounds per square inch.
- (3) Records of the daily inspection required in Conditions #003(b) and #003(c).

(b) The following records shall be kept if any components of the water spray suppression system malfunction:

- (1) The date, time and type of malfunction.
- (2) The cause of the malfunction.
- (3) The corrective actions taken to correct the malfunction.

(c) The above records shall be kept for a period of five years.

006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]**Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants
Reporting and recordkeeping.**

The permittee shall record each inspection of the water spray nozzles in the logbook (in written or electronic format) required under 40 CFR § 60.676(b) . The record shall include:

The date of each inspection
Any corrective actions taken.

The permittee shall make copies of the record available to the administrator upon request.

If the permittee ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required under 40 CFR § 60.676(b) must specify the control mechanism being used instead of the water sprays.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The water spray suppression system is to be constructed as per the manufacturer's specifications. No modifications may be made to the water spray suppression system without prior written approval from the Department.

(b) Water spray suppression system #2 shall consist of the following:

Manufacturer: Dustpro

Model: Model 407

Controlled Sources: Secondary crushers, Tertiary Crusher, Scalper Screens, Fine Screens and associated equipment (Conveying and Handling) - Source IDs 203, 204, 205, 206, 207, and 211

Pump Rating: TBD

No. of Lines: 10

Line 1: Modified Belt

Lines 2,3,4,5,6,7: Secondary crushers, tertiary crusher, fines screens, and associated equipment Lines 8,9,10: Spares.

(c) The water spray suppression system shall incorporate the cold weather options, including: heater for pump module, air

**SECTION D. Source Level Plan Approval Requirements**

purge system, and the anti-freeze injection system, as per the manufacturer's specifications.

(d) The company shall maintain a sufficient amount of spare, spray nozzles on site.

(e) For Source ID C002, suitable ranges of water flow rate in gallons per minute and of water pressure in pounds per square inch shall be determined before incorporating the Plan Approval into an Operating Permit.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: GROUP 01

Group Description: 40 CFR 60 SUBPART OOO

Sources included in this group

ID	Name
202	PRIMARY CRUSHER
203	SECONDARY CRUSHER #1
204	SECONDARY CRUSHER #2
205	TERTIARY CRUSHER
206	SCALPER SCREENS
207	FINE SCREENS
210	GRIZZLY FEEDER
211	CONVEYING AND HANDLING

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

No person may permit the emission into the outdoor atmosphere of a fugitive air contaminant from any equipment listed in this source group, pursuant to 25 Pa. Code § 123.1.

[Compliance with 25 Pa. Code § 123.1 also demonstrates compliance with 40 CFR §§ 60.672 (b).]

II. TESTING REQUIREMENTS.**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.675]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Test methods and procedures.**

- a) The permittee shall conduct performance tests on the crushing plant, using the Department-approved procedures within 180 days after startup of the source and/or control device. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated but no later than 180 days after initial startup of the facility.
- b) To determine compliance with the opacity standards of Table 3 to Subpart OOO of Part 60, the permittee shall use Method 9 and the procedures in 40 CFR Section 60.11 with the following additions:
 - i. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
 - ii. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun Method 9 must be followed.
 - iii. When determining compliance with the fugitive PM emissions standard of this plan approval, the duration of the Method 9 observations must be 30 minutes (five 6-minute averages). Compliance with fugitive PM emissions standard the must be based on the average of the five 6-minute averages.
- c) Method 9 shall be conducted on Source IDs 202, 203, 204, 205, 206, 207, 210, and 211.
- d) If the initial performance test date for an affected facility falls during a seasonal shut down (as defined in § 60.671 of 40 CFR 60 Subpart OOO) of the affected facility, then with approval from DEP, the owner or operator may postpone the initial performance test until no later than 60 calendar days after resuming operation of the affected facility.

III. MONITORING REQUIREMENTS.**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- (a) The permittee shall monitor the total amount of stone processed through Source IDs 202, 203, 204, 205, 206, 207 and

**SECTION E. Source Group Plan Approval Restrictions.**

210 on a daily basis.

(b) The permittee shall monitor the hours of operation of Source IDs 202, 203, 204, 205, 206, 207 and 210 on a daily basis

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.674]

Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants

Monitoring of operations.

The permittee shall perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression systems (Source IDs C001 and C002).

The permittee shall initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall record the total amount of stone processed through Source IDs 202, 203, 204, 205, 206, 207 and 210 on a daily basis.

(b) The permittee shall record the hours of operation of Source IDs 202, 203, 204, 205, 206, 207 and 210 on a daily basis.

006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.674]

Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants

Monitoring of operations.

The permittee shall record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under 40 CFR § 60.676(b).

V. REPORTING REQUIREMENTS.

007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]

Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants

Reporting and recordkeeping.

The permittee shall notify DEP of the actual date of initial startup of the crushing plant within 15 days after startup.

The permittee shall notify DEP of the anticipated date for conducting the opacity observations to demonstrate initial compliance to opacity limits of 40 CFR 60.11 at least 7 days prior to such date.

Within 30 days of conducting the compliance testing, the permittee shall submit to DEP written reports of the opacity observations made using Method 9.

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Plan Approval facility.

**SECTION G. Emission Restriction Summary.**

Source Id

Source Description

Site Emission Restriction Summary

Emission Limit	Pollutant
27.100 Tons/Hr	PM10
4.000 Tons/Hr	PM2.5
68.000 Tons/Hr	TSP



SECTION H. Miscellaneous.



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