



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: June 29, 2023 Effective Date: June 8, 2026
Revision Date: June 8, 2026 Expiration Date: December 28, 2026
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 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. 30-00808

Federal Tax Id - Plant Code: 45-2809926

Owner Information

Name: SMART SAND INC
Mailing Address: 1000 FLORAL VALE BLVD STE 225
YARDLEY, PA 19067-5582

Plant Information

Plant: SMART SAND INC/EMERALD MINE NO 1
Location: 30 Greene County 30908 Franklin Township
SIC Code: 9900 Nonclassifiable Establishments

Responsible Official

Name: WILLIAM JOHN YOUNG
Title: CHIEF OPER OFFICER
Phone: (215) 272 - 0923 Email: jyoung@smartsand.com

Plan Approval Contact Person

Name: ROBERT KISZKA
Title: EVP OPS
Phone: (215) 278 - 6471 Email: rkiszka@smartsand.com

[Signature] _____

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



Plan Approval Description

This Plan Approval authorizes the construction and temporary operation of a silica sand transloading facility at the Smart Sand Emerald Mine No. 1 Facility in Franklin Township, Greene County.

An extension of the construction authorization under this Plan Approval was granted effective on December 29, 2024, with expiration on January 28, 2026.

An extension of the temporary operation period authorized under this Plan Approval was granted on January 13, 2026, with expiration on July 28, 2026, for all mobile sources. An extension of the construction period authorized under this Plan Approval was granted on January 13, 2026, with an expiration on July 28, 2026, for all stationary sources.

A modification of this Plan Approval was granted on June 8, 2026 with an expiration on December 28, 2026.



SECTION A. Table of Contents

Section A. Facility/Source Identification

Table of Contents
Plan Approval Inventory List

Section B. General Plan Approval Requirements

- #001 Definitions
- #002 Future Adoption of Requirements
- #003 Plan Approval Temporary Operation
- #004 Content of Applications
- #005 Public Records and Confidential Information
- #006 Plan Approval Terms and Conditions
- #007 Transfer of Plan Approvals
- #008 Inspection and Entry
- #009 Plan Approval Changes for Cause
- #010 Circumvention
- #011 Submissions
- #012 Risk Management
- #013 Prohibition of Air Pollution
- #014 Compliance Requirement

Section C. Site Level Plan Approval 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 Plan Approval Requirements

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



SECTION A. Table of Contents

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

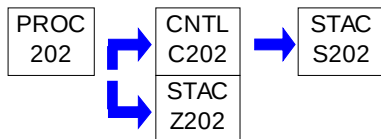
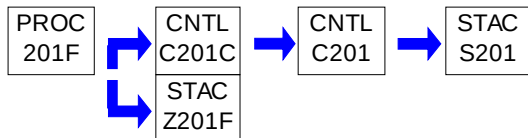
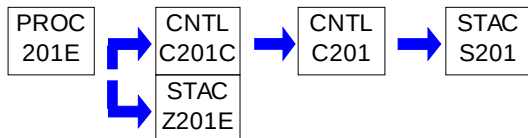
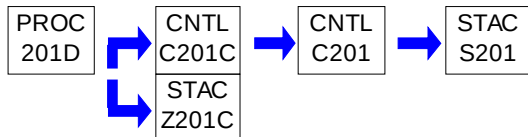
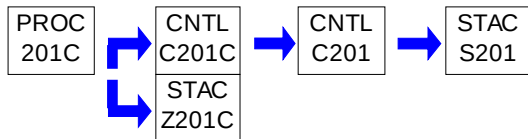
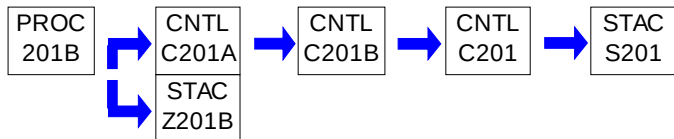
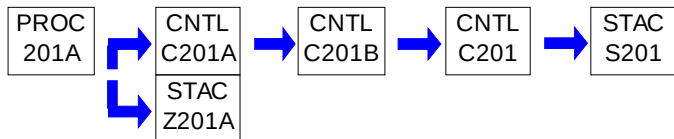
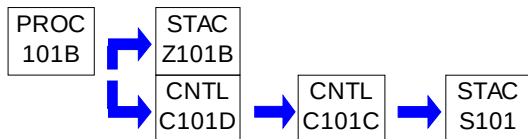
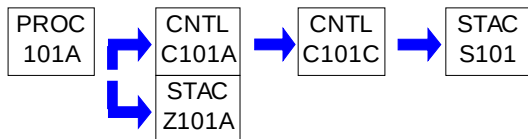
Section H. Miscellaneous

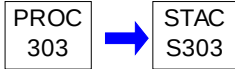
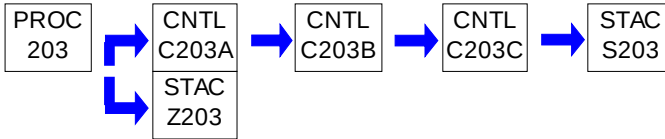
**SECTION A. Plan Approval Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
101A	MOBILE TRANSLOADER TRANSFER POINTS (RAILCAR)	350.000 Tons/HR	SILICA SAND
101B	MOBILE TRANSLOADER TRANSFER POINTS (TRUCK)	350.000 Tons/HR	SILICA SAND
201A	RAILCAR TRANSFER TO HOPPERS	480.000 Tons/HR	SILICA SAND
201B	HOPPER TRANSFER TO CONVEYOR	480.000 Tons/HR	SILICA SAND
201C	CONVEYOR TRANSFER TO BUCKET ELEVATOR	480.000 Tons/HR	SILICA SAND
201D	BUCKET ELEVATOR TRANSFER TO DIVERTER 1	480.000 Tons/HR	SILICA SAND
201E	DIVERTER 1 TRANSFER TO DIVERTER 2 OR 3	480.000 Tons/HR	SILICA SAND
201F	DIVERTER 2 OR 3 TRANSFER TO CONVEYOR	480.000 Tons/HR	SILICA SAND
202	CONVEYOR TRANSFER TO 1 OF 4 SILOS	480.000 Tons/HR	SILICA SAND
203	SILO TRANSFER TO TRUCKS	480.000 Tons/HR	SILICA SAND
303	MOBILE TRANSLOADER DIESEL ENGINES (6 @ 74 BHP EA.)	22.680 Gal/HR	Diesel Fuel
C101A	TRANSLOADER TRANSFER POINT PARTIAL ENCL. (RAILCAR PANS)		
C101C	TRANSLOADER BAGHOUSES		
C101D	TRANSLOADER TRANSFER POINT PARTIAL ENCLOSURE (LOAD SOCK)		
C201	STATIONARY TRANSLOADING EQUIPMENT BAGHOUSE		
C201A	RAILCAR UNLOADING PIT		
C201B	RAILCAR UNLOADING BUILDING		
C201C	BUCKET ELEVATOR/CONVEYOR/DIVERTER ENCLOSURES		
C202	SILO BIN VENT COLLECTORS (4)		
C203A	MIDWEST TELESCOPIC LOADING SPOUT		
C203B	MIDWEST LOADING SPOUT BAGHOUSES (4)		
C203C	SILO TO TRUCK TRANSFER PARTIAL ENCLOSURE		
S101	MOBILE TRANSLOADER BAGHOUSE STACK		
S201	STATIONARY TRANSLOADING BAGHOUSE STACK		
S202	SILO BIN VENT STACK		
S203	MIDWEST SPOUT DUST COLLECTOR STACK		
S303	MOBILE TRANSLOADER DIESEL ENGINES STACKS		
Z101A	MOBILE TRANSLOADER TRANSFER POINT FUGITIVES (RAILCAR)		
Z101B	MOBILE TRANSLOADER TRANSFER POINT FUGITIVES (TRUCK)		
Z201A	RAILCAR TRANSFER TO HOPPER FUGITIVES		
Z201B	HOPPER TRANSFER TO CONVEYOR FUGITIVES		
Z201C	CONVEYOR TRANSFER TO BUCKET ELEVATOR FUGITIVES		
Z201E	DIVERTER 1 TRANSFER TO DIVERTER 1 OR 3 FUGITIVES		
Z201F	DIVERTER 2 OR 3 TRANSFER TO CONVEYOR FUGITIVES		
Z202	CONVEYOR TRANSFER TO 1 OF 4 SILOS FUGITIVES		
Z203	SILO TRANSFER TO TRUCK FUGITIVES		



PERMIT MAPS



**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 §121.7]****Prohibition of air pollution.**

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

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

Pursuant to 25 Pa. Code §123.1(a), no person may permit the emission into the outdoor atmosphere of a 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) [Not applicable.]
- (8) [Not applicable.]
- (9) Sources and classes of sources other than those identified in paragraphs (1)—(8), for which the operator has

obtained

a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

- (i) The emissions are of minor significance with respect to causing air pollution.
- (ii) The emissions are not preventing or interfering with the attainment or maintenance of an ambient air quality standard.

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

The owner or operator may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission equals or exceeds 10% at any time.

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

The limitations specified in this plan approval shall not apply to a visible emission in any of the following instances:

- (1) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) When the emission results from sources specified in 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions).
- (4) [Not applicable.]

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

Potential to Emit (tpy)* for the facility shall not exceed the following in any consecutive 12-month rolling period:

NOX 11.9
CO 1.8
NMHC 0.6
PM 144.7
PM10 54.3
PM2.5 8.3
HAPs 0.05

*Based on 8,760 hours of operation per year at a throughput limit of 3,000,000 tons per year.

**SECTION C. Site Level Plan Approval Requirements****Throughput Restriction(s).****# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Throughput at this facility shall not exceed 3,000,000 tons of silica sand in any consecutive rolling 12-month period. Compliance with this limitation shall be determined using scalehouse records of tons of sand transported off site.

II. TESTING REQUIREMENTS.**# 007 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

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

The Owner/Operator shall submit a pre-test protocol to the Department for review at least 90 days prior to the performance of any EPA reference method stack test. The test report may be submitted via PSIMS*Online at <https://www.depgreenport.state.pa.us/ecom/LLogin.jsp>. All proposed performance test methods shall be identified in the pre-test protocol and approved by the Department prior to testing. The Department Source Testing Manual is available at the following web address: <http://www.depgreenport.state.pa.us/elibrary/GetFolder?FolderID=4563>

- (a) At least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval in accordance with paragraph (8) of this condition. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- (b) When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter, submitted at least 90 calendar days prior to commencing an emissions testing program, referencing the previously approved procedural protocol is sufficient if the letter is approved by the Department. The letter shall be submitted as required in paragraph (a). If modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of the stack test manual has been revised since the approval, a new protocol shall be submitted for approval.
- (c) At least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Department in accordance with paragraph (h) of this condition. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.
- (d) If the proposed testing did not occur per the required notification in paragraph (b) above, an electronic mail notification shall be sent within 15 calendar days after the expected completion date of the onsite testing to the Department, in accordance with paragraph (h) of this condition, indicating why the proposed completion date of the on-site testing was not adhered to.
- (e) A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the onsite testing portion of an emission test program.
 - (1) The test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions.
 - (2) The summary results will include, at a minimum, the following information:
 - (A) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
 - (B) Permit number(s) and condition(s) which are the basis for the evaluation.
 - (C) Summary of results with respect to each applicable permit condition.
 - (D) Statement of compliance or non-compliance with each applicable permit condition.

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

(f) Pursuant to 25 Pa. Code § 139.3, all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(g) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(h) Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3):

(1) All submittals, except test notifications & portable emission monitor tests, shall be accomplished through PSIMS*Online, available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp>, if it is available.

(2) For test notifications & portable analyzer results, or if internet submittal cannot be accomplished, one electronic copy of the test submission (notifications, protocols, reports, supplemental information, etc.) shall be sent to both PSIMS Administration in Central Office and to the Regional Office AQ Program Manager at the following addresses.

CENTRAL OFFICE: RA-EPstacktesting@pa.gov

SOUTHWEST REGIONAL OFFICE: RA-EPSWstacktesting@pa.gov

(i) The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

(j) Actions Related to Noncompliance Demonstrated by a Stack Test:

(1) If the results of a stack test, performed as required by this approval, exceed the level specified in any condition of this approval, the Permittee shall take appropriate corrective actions. Within 30 days of the Permittee receiving the stack test results, a written description of the corrective actions shall be submitted to the Department. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the Permittee within 30 days, if the corrective actions taken are deficient. Within 30 days of receipt of the notice of deficiency, the Permittee shall submit a description of additional corrective actions to the Department. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(2) If the results of the required stack test exceed any limit defined in this permit, the test was not performed in accordance with the stack test protocol or the source and/or air cleaning device was not operated in accordance with the permit, then another stack test shall be performed to determine compliance. Within 120 days of the Permittee receiving the original stack test results, a retest shall be performed. The Department may extend the retesting deadline if the Permittee demonstrates, to the Department's satisfaction, that retesting within 120 days is not practicable. Failure of the second test to demonstrate compliance with the limits in the permit, not performing the test in accordance with the stack test protocol or not operating the source and/or air cleaning device in accordance with the permit may be grounds for immediate revocation of the permit to operate the affected source.

009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

An initial performance stack test shall be performed on the Stationary Transloading Equipment Baghouse (Source ID C201) for total filterable particulate matter (PM) within 180 days of initial startup, or within a timeframe approved by the Department, in writing, prior to the testing deadline. Testing shall be conducted using EPA Reference Method 5 in conjunction with other required EPA Reference Methods specified therein, and as specified elsewhere in this plan approval.

010 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

If, at any time, the Department has cause to believe that air contaminant emissions from the sources listed in this plan approval may be in excess of the limitations specified in, or established pursuant to this plan approval or the permittee's operating permit, the permittee may be required to conduct test methods and procedures deemed necessary by the Department to determine the actual emissions rate. Such testing shall be conducted in accordance with 25 Pa. Code Chapter 139, where applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the company that testing is required.

**SECTION C. Site Level Plan Approval Requirements****III. MONITORING REQUIREMENTS.****# 011 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Upwind/downwind dustfall monitoring shall be conducted if requested by the Department.

012 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

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

- (a) Visible stack emissions;
- (b) Fugitive emissions; and
- (c) Potentially objectionable odors at the property line.

These observations are to ensure continued compliance with source-specific visible emission limitations, fugitive emissions prohibited under 25 Pa. Code §§123.1 or 123.2, and malodors prohibited under 25 Pa. Code §123.31. Observations for visible stack emissions, except as specified elsewhere in this Plan Approval, shall be conducted during daylight hours and all observations shall be conducted while sources are in operation. If any visible stack emissions, fugitive emissions, or potentially objectionable odors are apparent, the permittee shall take corrective action. Records of each inspection, except as specified elsewhere in this Plan Approval, shall be maintained in a log and at the minimum include the date, time, name and title of the observer, along with any corrective action taken as a result.

If visible emissions persist after implementing corrective action(s), the owner or operator shall measure and document visible emissions using an observer trained and qualified to measure plume opacity with the naked eye pursuant to 25 Pa. Code §123.43, using the current version of EPA Reference Method 9. Such documentation shall be used to determine compliance with the applicable opacity limitations specified in this plan approval. Transloading using the affected equipment may not resume until operation can be conducted without producing visible emissions.

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

All logs and required records shall be maintained on site, or at an alternative location acceptable to the Department, for a minimum of five (5) years and shall be made available to the Department upon request.

014 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The owner or operator shall maintain the following comprehensive and accurate records:

- (1) Facility-wide emissions for NO_x, CO, VOC, PM, PM₁₀, PM_{2.5}, and total HAP per calendar month and consecutive 12-month rolling period.
- (2) Facility-wide diesel fuel usage per consecutive 12-month rolling period.
- (3) Facility-wide inspections including the date, time, and name and title of the observer, along with any corrective action taken as a result.
- (4) Results of any visible emissions observations demonstrate compliance with limitations specified in this plan approval.
- (5) Copies of the manufacturers' specifications and recommended maintenance schedule (or site-specific developed maintenance schedule) for each air contamination source and air cleaning device.
- (6) All maintenance and repairs performed on each air contamination source and air cleaning device, including each bag and cartridge replacement
- (7) Records of engine maintenance and repairs.
- (8) Records of total transloader engine runtime per consecutive 12-month rolling period.
- (9) EPA Method 9 Certifications for each visible emission observer.
- (10) Records of training for each transloader operator. Depending on employee responsibilities, training shall be provided on the following at a minimum: responsibilities for fugitive dust control; recordkeeping and reporting requirements; appropriate corrective actions; facility or equipment inspection and maintenance requirements; and fugitive dust observation methods and Method 9 certificate training.
- (11) Total sand throughput, in tons, per calendar month and consecutive 12-month rolling period, as determined by scale house records of tons of sand transported off site.

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

- (12) Total number of railcars unloaded and loads of sand hauled off-site per calendar day and 12-month rolling period. A railcar is considered unloaded on the operating day that it is determined to be empty.
- (13) Daily pressure differential readings, in inches of water, on each baghouse/cartridge collector and controlled emission unit when in operation.
- (14) Bag leak detection system (BLDS) alarm events and corrective action(s); and BLDS calibration and repairs.

V. REPORTING REQUIREMENTS.**# 015 [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. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.
- (b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.
- (c) The report shall describe the following:
1. Name, permit or authorization number, and location of the facility,
 2. Nature and cause of the malfunction, emergency or incident,
 3. Date and time when the malfunction, emergency or incident was first observed,
 4. Expected duration of excess emissions,
 5. Estimated rate of emissions,
 6. Corrective actions or preventative measures taken.
- (d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone at 412.442.4000 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 or notifications regarding malfunctions, emergencies, or incidents of excess emissions shall be submitted to the Department's Southwest Regional Office Air Program Manager. Telephone reports shall be made by contacting the Department at 412.442.4000.
- (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.**# 016 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Suitable platforms and cleaning tools shall be provided to allow drivers to remove all spilled sand from containers prior to leaving the facility.

**SECTION C. Site Level Plan Approval Requirements****# 017 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The owner or operator shall post speed limit signs on all in plant roads limiting speeds to 15 mph.

018 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

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

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

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

(3) Paving and maintenance of roadways.

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

(b) In addition to methods identified in (a)(1-3), a water truck with spraybar and a vacuum truck shall be maintained on site and used as-needed to satisfy this condition.

VII. ADDITIONAL REQUIREMENTS.**# 019 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The owner/operator shall properly install, operate, and maintain equipment to continuously monitor the pressure differential, in inches of water, on each baghouse/cartridge collector when the controlled emissions unit(s) is/are in operation, including during periods of startup and shutdown.

020 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The owner or operator shall construct, operate, and maintain all air contamination sources and air cleaning devices authorized under this Plan Approval in accordance with the manufacturer's specifications and recommended maintenance schedules, or site-specific specifications developed in accordance with good engineering practice and prior operating experience. Additionally, the owner/operator may not cause or permit the operation of an air contamination source in a manner inconsistent with good operating practices.

021 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

Air contamination sources and air cleaning devices authorized for construction and/or operation under this plan approval including the following:

- Six (6) 350-ton per hour mobile transloaders powered by three (3) Doosan DM02P Tier 4 certified diesel engines or three (3) John Deere 4045TF290 Tier 4 Interim certified diesel engines equipped with enclosed conveyors, fixed loading socks, and Donaldson UMA100 (or equivalent) dust collectors, each rated at 600 ACFM @ 60°F.
- Four (4) 2,500-ton storage silos equipped with Donaldson CPV-1 (or equivalent) powered bin vent collectors.
- Partially enclosed railcar unloading area with partially enclosed hoppers controlled by the stationary transloading equipment baghouse.
- Fully enclosed conveyors, diverters, and a bucket elevator, each controlled by the stationary transloading equipment baghouse.
- Partially enclosed truck loading area with positional fixed loading socks each controlled by a Midwestern International cartridge collector rated at 1,500 ACFM @ 60°F.
- A Donaldson Torit 484RFW8 (or equivalent) stationary transloading equipment baghouse rated at 33,000 ACFM @ 60°F.
- Pressurized water truck with spray bar and vacuum truck.

**SECTION C. Site Level Plan Approval Requirements****# 022 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Upon determination by the permittee that the air contamination sources and air cleaning devices covered by this plan approval are in compliance with all conditions of the plan approval, the permittee shall contact the Department's technical reviewer and schedule the Initial Operating Permit Inspection.

023 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

Upon completion of the Initial Operating Permit Inspection and determination by the Department that the permittee is in compliance with all conditions of the plan approval, the permittee shall submit an application for State Only Operating Permit (SOOP) for the Facility within 120 days to incorporate the conditions of this plan approval.

024 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall submit requests to extend the temporary operation periods under this Plan Approval at least thirty (30) days prior to the expiration date of any authorized period of temporary operation.

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: 101A

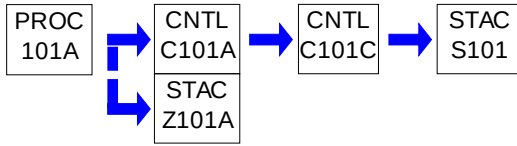
Source Name: MOBILE TRANSLOADER TRANSFER POINTS (RAILCAR)

Source Capacity/Throughput:

350.000 Tons/HR

SILICA SAND

Conditions for this source occur in the following groups: MOBILE TRANSLOADING

**I. RESTRICTIONS.**

No additional 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).

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.

No additional 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**

Source ID: 101B

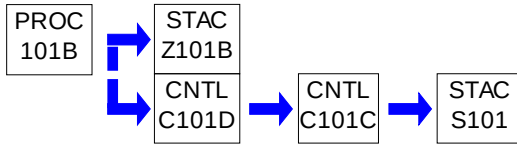
Source Name: MOBILE TRANSLOADER TRANSFER POINTS (TRUCK)

Source Capacity/Throughput:

350.000 Tons/HR

SILICA SAND

Conditions for this source occur in the following groups: MOBILE TRANSLOADING

**I. RESTRICTIONS.**

No additional 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).

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.

No additional 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**

Source ID: 201A

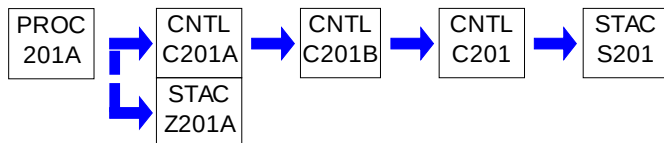
Source Name: RAILCAR TRANSFER TO HOPPERS

Source Capacity/Throughput:

480.000 Tons/HR

SILICA SAND

Conditions for this source occur in the following groups: STATIONARY TRANSLOADING

**I. RESTRICTIONS.**

No additional 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).

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.

No additional 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**

Source ID: 201B

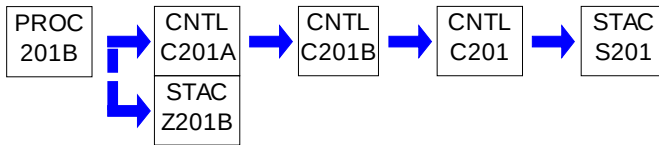
Source Name: HOPPER TRANSFER TO CONVEYOR

Source Capacity/Throughput:

480.000 Tons/HR

SILICA SAND

Conditions for this source occur in the following groups: STATIONARY TRANSLOADING

**I. RESTRICTIONS.**

No additional 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).

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.

No additional 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**

Source ID: 201C

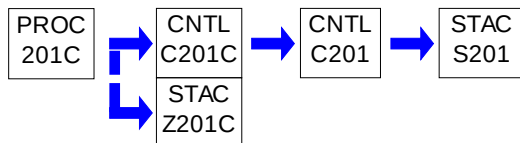
Source Name: CONVEYOR TRANSFER TO BUCKET ELEVATOR

Source Capacity/Throughput:

480.000 Tons/HR

SILICA SAND

Conditions for this source occur in the following groups: STATIONARY TRANSLOADING

**I. RESTRICTIONS.**

No additional 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).

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.

No additional 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**

Source ID: 201D

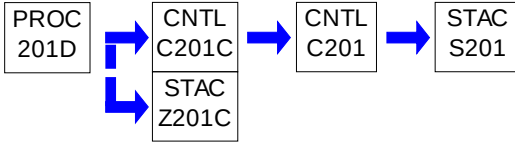
Source Name: BUCKET ELEVATOR TRANSFER TO DIVERTER 1

Source Capacity/Throughput:

480.000 Tons/HR

SILICA SAND

Conditions for this source occur in the following groups: STATIONARY TRANSLOADING

**I. RESTRICTIONS.**

No additional 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).

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.

No additional 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**

Source ID: 201E

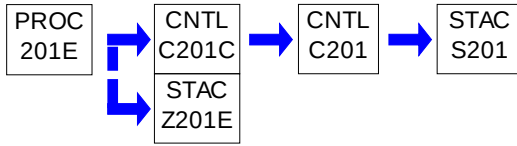
Source Name: DIVERTER 1 TRANSFER TO DIVERTER 2 OR 3

Source Capacity/Throughput:

480.000 Tons/HR

SILICA SAND

Conditions for this source occur in the following groups: STATIONARY TRANSLOADING

**I. RESTRICTIONS.**

No additional 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).

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.

No additional 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**

Source ID: 201F

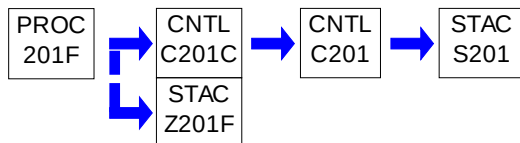
Source Name: DIVERTER 2 OR 3 TRANSFER TO CONVEYOR

Source Capacity/Throughput:

480.000 Tons/HR

SILICA SAND

Conditions for this source occur in the following groups: STATIONARY TRANSLOADING

**I. RESTRICTIONS.**

No additional 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).

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.

No additional 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).

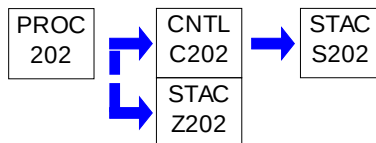
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 202

Source Name: CONVEYOR TRANSFER TO 1 OF 4 SILOS

Source Capacity/Throughput: 480.000 Tons/HR SILICA SAND

Conditions for this source occur in the following groups: STATIONARY TRANSLOADING

**I. RESTRICTIONS.**

No additional 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).

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.

No additional 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**

Source ID: 203

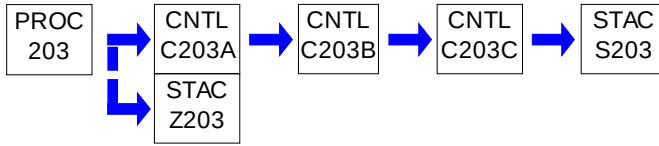
Source Name: SILO TRANSFER TO TRUCKS

Source Capacity/Throughput:

480.000 Tons/HR

SILICA SAND

Conditions for this source occur in the following groups: STATIONARY TRANSLOADING

**I. RESTRICTIONS.**

No additional 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).

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.

No additional 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**

Source ID: 303

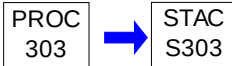
Source Name: MOBILE TRANSLOADER DIESEL ENGINES (6 @ 74 BHP EA.)

Source Capacity/Throughput:

22.680 Gal/HR

Diesel Fuel

Conditions for this source occur in the following groups: MOBILE TRANSLOADER ENGINES

**I. RESTRICTIONS.**

No additional 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).

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.

No additional 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 E. Source Group Plan Approval Restrictions.**

Group Name: MOBILE TRANSLOADER ENGINES

Group Description: Mobile transloader engines

Sources included in this group

ID	Name
303	MOBILE TRANSLOADER DIESEL ENGINES (6 @ 74 BHP EA.)

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

Pursuant 40 CFR §80.510(b), the maximum sulfur content of the diesel fuel used in each mobile transloader nonroad diesel engine at this facility shall not exceed 15 ppm.

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

The owner or operator shall maintain the following records for each mobile transloader nonroad diesel engine at the facility:

- A copy of the manufacturer's operating and maintenance instructions.
- Engine maintenance and repairs, fuel sulfur content, and monthly fuel consumption and hours of operation.
- A copy of a valid certificate of conformity.

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

The owner or operator of a nonroad engine shall not remove or knowingly remove or render inoperative any such device or element of design thereon, or knowingly install, any component that bypasses, impairs, defeats, or disables the control of emissions of any regulated pollutant.

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

Each mobile transloader nonroad diesel engine at this facility shall be operated and maintained in accordance with the manufacturer's written instructions.

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

Each mobile transloader nonroad diesel engine shall be fitted with a legible Emission Control Information label.

**SECTION E. Source Group Plan Approval Restrictions.****# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Each transloader nonroad diesel engine shall be either Tier 4 or Tier 4 Interim certified and rated at no greater than 74 bhp.

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

Group Name: MOBILE TRANSLOADING

Group Description: Mobile transloading operations

Sources included in this group

ID	Name
101A	MOBILE TRANSLOADER TRANSFER POINTS (RAILCAR)
101B	MOBILE TRANSLOADER TRANSFER POINTS (TRUCK)
C101A	TRANSLOADER TRANSFER POINT PARTIAL ENCL. (RAILCAR PANS)
C101C	TRANSLOADER BAGHOUSES

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

Each Donaldson UMA100 mobile transloader baghouse shall be rated for >99% control of particulate matter greater than 0.3 microns in diameter and maintain an outlet grain loading not to exceed 20 milligrams per cubic meter (mg/m³) (or approximately 0.009 grains per dry standard cubic foot (gr/dscf)). Compliance with this requirement shall be demonstrated by manufacturer's guarantee and by operating each baghouse in accordance with the manufacturer's written specifications and maintenance requirements.

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

No more than three (3) mobile transloaders shall be in operation at any time when the bucket elevator and other stationary transloading equipment is in service and operating.

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

A copy of the mobile transloader baghouse manufacturer's guarantee and written specifications and maintenance requirements shall be maintained on site.

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

Retain mobile transloader weekly cleaning records and weekly fixed loading sock inspection that included inspector, date and any corrective actions, if applicable, for five (5) years.

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

Prior to commencing transloading, the mobile transloader operator shall position the unit to minimize the railcar to pan drop

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

height and to prevent spillage, and to position the fixed loading sock as close to the bottom of the truck/trailer as possible such that fugitive emissions are minimized. Transloading shall be halted and the transloader/fixed loading sock properly repositioned if any spillage is observed.

006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Spilled sand in mobile transloading areas shall be removed as soon as practicable to prevent dragout and to prevent dust from becoming airborne.

007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Mobile transloaders, including the fixed loading sock, shall be cleaned at a minimum of weekly or more frequently as necessary to remove accumulated sand.

008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Each active mobile transloader shall be inspected by the operator at a minimum of once per operating calendar day or more frequently to ensure proper operation of equipment and emissions controls. The inspection shall occur prior to commencing operation on each operating calendar day. If a personnel change occurs during the calendar day, each subsequent operator shall reinspect the equipment.

009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Each container shall be inspected for spillage and the hatch lids closed and secured prior to leaving the mobile transloading area. The transloader operator shall inform the driver of the presence of any sand outside of the container. The owner or operator shall not permit a driver to leave the facility without clearing all sand from the exterior of the container and vehicle.

010 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Weekly investigate the fixed loading sock for tears, cuts, holes, or any wear that would cause additional fugitive emissions, and replace the fixed loading sock as necessary.

011 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Retain at least one (1) replacement fixed loading sock at the facility.

VII. ADDITIONAL REQUIREMENTS.

012 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Each Donaldson UMA100 mobile transloader baghouse shall be equipped with a mechanical shaker cleaning mechanism.

013 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Each mobile transloader shall be equipped and operated at all times with a Donaldson UMA100 (or equivalent) baghouse rated at 600 acfm at 60°F.

014 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Each mobile transloader shall be equipped with a fully-enclosed conveyor, fully enclosed fixed loading sock and a partially enclosed railcar unloading pan.

015 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Suitable mats or other flat, impermeable material shall be placed over railroad ties and ballast in all areas where railcar unloading will occur to collect any spillage.

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

Group Name: STATIONARY TRANSLOADING

Group Description: Stationary transloading operations

Sources included in this group

ID	Name
201A	RAILCAR TRANSFER TO HOPPERS
201B	HOPPER TRANSFER TO CONVEYOR
201C	CONVEYOR TRANSFER TO BUCKET ELEVATOR
201D	BUCKET ELEVATOR TRANSFER TO DIVERTER 1
201E	DIVERTER 1 TRANSFER TO DIVERTER 2 OR 3
201F	DIVERTER 2 OR 3 TRANSFER TO CONVEYOR
202	CONVEYOR TRANSFER TO 1 OF 4 SILOS
203	SILO TRANSFER TO TRUCKS
C201	STATIONARY TRANSLOADING EQUIPMENT BAGHOUSE
C201A	RAILCAR UNLOADING PIT
C201B	RAILCAR UNLOADING BUILDING
C201C	BUCKET ELEVATOR/CONVEYOR/DIVERTER ENCLOSURES
C202	SILO BIN VENT COLLECTORS (4)
C203A	MIDWEST TELESCOPIC LOADING SPOUT
C203B	MIDWEST LOADING SPOUT BAGHOUSES (4)
C203C	SILO TO TRUCK TRANSFER PARTIAL ENCLOSURE

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

Each Donaldson CPV-1 powered bin vent cartridge collector shall be rated for 99% control of particulate matter greater than 0.3 microns in diameter and maintain an outlet grain loading not to exceed 0.002 grains per dry standard cubic foot (dscf). Compliance with this requirement shall be demonstrated by manufacturer's guarantee and by operating each cartridge collector in accordance with the manufacturer's written specifications and maintenance requirements.

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

Each Midwest International telescopic loadout spout cartridge collector shall be rated for 99% control of particulate matter greater than 0.3 microns in diameter and maintain an outlet grain loading not to exceed 0.002 grains per dry standard cubic foot (dscf). Compliance with this requirement shall be demonstrated by manufacturer's guarantee and by operating each cartridge collector in accordance with the manufacturer's written specifications and maintenance requirements.

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

The Donaldson Torit 484RFW8 (or equivalent) stationary transloading baghouse shall be:

(a) Rated for 99% control of particulate matter greater than 0.3 microns in diameter and maintain an outlet grain loading not to exceed 0.002 grains per dry standard cubic foot (dscf). Compliance with this requirement shall be demonstrated by manufacturer's guarantee, initial performance testing, and by operating the baghouse in accordance with the manufacturer's written specifications and maintenance requirements.

(b) Fitted with involute scroll inlet, flow baffles, felted bags, pulse-jet cleaning mechanism, and Dwyer Series 616KD (or equivalent) digital pressure transducer with visible alarm to monitor differential pressure.

(c) Fitted with a bag leak detection system (BLDS). The BLDS shall be installed, operated, calibrated, and maintained in a manner consistent with the manufacturer's written specifications and recommendations, in accordance with the guidance provided in EPA-454/R-98-015 (September 1997), and in accordance with good air pollution control practices. The BLDS

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

shall be calibrated during the initial performance testing, then recalibrated and checked for detection accuracy per the manufacturer's specifications at least annually.

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

A copy of the manufacturer's guarantees and written specifications and maintenance requirements shall be maintained on site for the stationary transloading baghouse, each silo bin vent collector, and each telescopic loadout spout cartridge collector.

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

The truck loading area shall be equipped with cameras such that the transload operator can properly position the telescopic spout and inform the driver of each load if any material has been spilled on the outside of the container.

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

Procedures shall be initiated to determine the cause of each BLDS alarm within 1 hour of the occurrence. The cause of each alarm condition shall be eliminated within 8 operating hours thereof by taking necessary corrective action(s), or the sources shall be taken out of service until the alarm condition has been rectified. Corrective actions may include but are not limited to the following: [25 Pa. Code §127.12b]

- (a) Inspection of the fabric filters for leaks, torn or broken bags or filter media, or any other condition that may cause an increase in PM emissions;
- (b) Sealing off defective bags or filter media;
- (c) Replacing defective bags or filter media or otherwise repairing the control device;
- (d) Sealing off a defective fabric filter compartment;
- (e) Cleaning the bag leak detection system probe or otherwise repairing the device.

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

Each sand storage silo shall be fitted with and operated at all times with a Donaldson CPV-1 (or equivalent) powered bin vent cartridge collector rated at 700 acfm @ 60°F.

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

Each silo shall be fitted with a Midwest International positional telescopic loadout spout controlled by a Midwest cartridge dust collector rated at 1,500 acfm at 60°F. The silo to truck loadout area shall be partially enclosed.

**SECTION E. Source Group Plan Approval Restrictions.****# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The railcar unloading area shall be located within a partially enclosed building. Each railcar unloading hopper and hopper-to-bucket elevator transfer conveyor shall be partially enclosed within a pit and controlled by the stationary transloading baghouse.

010 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The bucket elevator and silo topside transfer points, diverters, and conveyors shall be fully enclosed and controlled by the stationary transloading baghouse.

011 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

An acceptable range shall be established for diagnostic purposes during the initial performance testing of the stationary transloading baghouse (Source ID 201C) for pressure differential across the baghouse in accordance with the manufacturer's specifications. Pressure differentials outside of the acceptable diagnostic range shall not by themselves be a violation of plan approval requirements in the absence of other noncompliant parameters.



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Plan Approval facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.



SECTION H. Miscellaneous.



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