



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

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date: March 3, 2023

Effective Date: March 17, 2023

Expiration Date: March 3, 2028

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

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

State Only Permit No: 04-00468

Synthetic Minor

Federal Tax Id - Plant Code: 25-0936473-1

Owner Information

Name: SH BELL CO
Mailing Address: 644 ALPHA DR
PITTSBURGH, PA 15238-2802

Plant Information

Plant: SH BELL CO/OHIOVILLE
Location: 04 Beaver County 04945 Ohioville Borough
SIC Code: 4231 Trans. & Utilities - Trucking Terminal Facilities

Responsible Official

Name: CHRIS MCKENZIE
Title: TERMINAL MGR STATELINE
Phone: (330) 385 - 5083 Ext.303 Email: cmckenzie@shbellco.com

Permit Contact Person

Name: JOHN R BEDECK
Title: PROJ MGR/DIR OF QUALITY
Phone: (412) 963 - 9910 Ext.134 Email: jbedeck@shbellco.com

[Signature] _____

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



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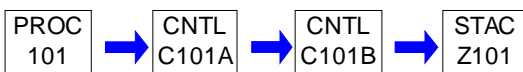
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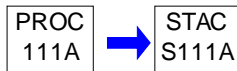
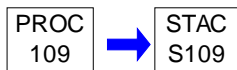
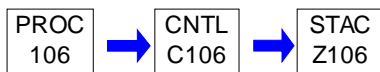
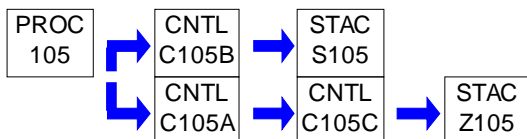
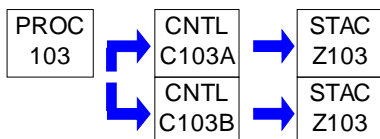
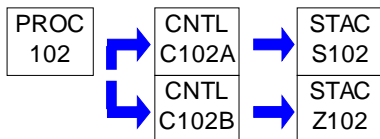
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	KUX CRUSHER/SIMPLICITY SCREENER	N/A	
102	FINE SIZE SCREENER	N/A	
103	SCREEN BOXES (2)	N/A	
105	MISCELLANEOUS MATERIAL HANDLING OPERATIONS	N/A	
		N/A	
		N/A	
106	PAVED ROADWAYS	N/A	Product Throughput
107	STORAGE PILES	N/A	
		N/A	
109	EMERGENCY GENERATOR RATED AT 85 BHP	N/A	#2 Oil
111A	JOHN DEERE DIESEL ENGINE 150 BHP	N/A	Diesel Fuel
C101A	KUX CRUSHER/SIMPLICITY SCREENER - WET SUPPRESSION SYSTEM		
C101B	KUX CRUSHER/SIMPLICITY SCREENER - BUILDING ENCLOSURE		
C102A	FINE SIZE SCREENER - BAGHOUSE RATED AT 9,600 SCFM		
C102B	BUILDING ENCLOSURE - FINE SIZE SCREENER		
C103A	SCREEN BOXES (2) - BUILDING ENCLOSURE		
C103B	SCREEN BOXES (2) -WET SUPPRESSION FOR AFFECTED MATERIALS		
C105A	MISCELLANEOUS MAT'L HANDLING-BLDG. ENCLOSURE		
C105B	BAGHOUSE RATED AT 50,000 SCFM - TRUCK LOAD-OUT SHED		
C105C	PRODUCT LOADOUT SHEDS (3) (LEAN-TO SHEDS)		
C106	WATER SUPPRESSION SYSTEM - PAVED ROADWAYS		
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C111	PORTABLE BAGHOUSE RATED AT 45,000 SCFM		
S102	FINE SIZE SCREENER BAGHOUSE STACK		
S105	LOADOUT SHED BAGHOUSE STACK		
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Z101	KUX CRUSHER/SIMPLICITY SCREENER FUGITIVES		
Z102	FINE SIZE SCREENER FUGITIVES		
Z103	SCREEN BOX FUGITIVES		
Z105	MISCELLANEOUS MATERIAL HANDLING FUGITIVES		
Z106	PAVED ROADWAYS - FUGITIVES		
Z107	STORAGE PILES - FUGITIVES		

PERMIT MAPS



PERMIT MAPS



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

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

#002 [25 Pa. Code § 127.446]**Operating Permit Duration.**

(a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.

(b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

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

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

(b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

(c) The permittee shall submit with the renewal application a fee for the processing of the application as specified in 25 Pa. Code § 127.703(b). The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

(d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.

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

(f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]**Operating Permit Fees under Subchapter I.**

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

(b) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]**Transfer of Operating Permits.**

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and a written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee and a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

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

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

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

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

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

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

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

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

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

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

**SECTION B. General State Only Requirements**

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

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

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]**Need to Halt or Reduce Activity Not a Defense.**

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

#009 [25 Pa. Code §§ 127.442(a) & 127.461]**Duty to Provide Information.**

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

#010 [25 Pa. Code § 127.461]**Revising an Operating Permit for Cause.**

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

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

#011 [25 Pa. Code §§ 127.450, 127.462, 127.465 & 127.703]**Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and significant operating permit modifications, under this permit, as outlined below:

**SECTION B. General State Only Requirements**

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

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

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

(e) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

#012 [25 Pa. Code § 127.441]**Severability Clause.**

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

#013 [25 Pa. Code § 127.449]**De Minimis Emission Increases.**

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

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

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

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

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

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

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

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

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

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

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

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- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
 - (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
 - (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
 - (4) Space heaters which heat by direct heat transfer.
 - (5) Laboratory equipment used exclusively for chemical or physical analysis.
 - (6) Other sources and classes of sources determined to be of minor significance by the Department.
- (e) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:
- (1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (c)(4) and (5) of this permit condition.
 - (2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.
 - (3) Violate any applicable requirement of this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.
- (f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.
- (g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.
- (h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#014 [25 Pa. Code § 127.3]**Operational Flexibility.**

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

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)

**SECTION B. General State Only Requirements**

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

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

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

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

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

#016 [25 Pa. Code § 127.36]**Health Risk-based Emission Standards and Operating Practice Requirements.**

(a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].

(b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

#017 [25 Pa. Code § 121.9]**Circumvention.**

No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

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

(a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.

(b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.

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

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

(d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.

(e) Any records, reports or information submitted to the Department shall be available to the public except for such

**SECTION B. General State Only Requirements**

records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

#019 [25 Pa. Code §§ 127.441(c) & 135.5]**Sampling, Testing and Monitoring Procedures.**

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

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

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

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

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

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

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

#021 [25 Pa. Code § 127.441(a)]**Property Rights.**

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

#022 [25 Pa. Code § 127.447]**Alternative Operating Scenarios.**

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

**SECTION B. General State Only Requirements****#023 [25 Pa. Code §135.3]****Reporting**

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

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

#024 [25 Pa. Code §135.4]**Report Format**

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

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §121.7]****Prohibition of air pollution.**

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

002 [25 Pa. Code §123.1]**Prohibition of certain fugitive emissions**

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

(1) Construction or demolition of buildings or structures.

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

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

(4) Clearing of land.

(5) Stockpiling of materials.

(6) N/A

(7) N/A

(8) N/A

(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; and

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

(b) An application form for requesting a determination under either subsection (a)(9) or 129.15(c) is available from the Department. In reviewing these applications, the Department may require the applicant to supply information including, but not limited to, a description of proposed control measures, characteristics of emissions, quantity of emissions, and ambient air quality data and analysis showing the impact of the source on ambient air quality. The applicant shall be required to demonstrate that the requirements of subsections (a)(9) and (c) and 123.2 (relating to fugitive particulate matter) or of the requirements of 129.15(c) have been satisfied. Upon such demonstration, the Department will issue a determination, in writing, either as an operating permit condition, for those sources subject to permit requirements under the act, or as an order containing appropriate conditions and limitations.

003 [25 Pa. Code §123.13]**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter, at any time, either in excess of the rate in such a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot for Control Devices C102A and C105B, and 0.006 grains per dry standard cubic foot for Control Device C111.

**SECTION C. Site Level Requirements****# 004 [25 Pa. Code §123.2]****Fugitive particulate matter**

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

005 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

006 [25 Pa. Code §123.31]**Limitations**

A person may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

007 [25 Pa. Code §123.41]**Limitations**

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

- Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour.
- Equal to or greater than 60% at any time.
- Equal to or greater than 10% at any time from Source 102 Fine Size Screener and Loadout F (part of Source 105)

008 [25 Pa. Code §123.42]**Exceptions**

The limitations of 123.41 (relating to limitations) 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).

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

Emissions from this facility (PA Side) shall not equal or exceed the following, on a consecutive 12-month rolling average basis:

- 30.0 tons PM-10 (PARTICULATE MATTER < 10 MICRONS)
- 6.0 tons FeCr
- 3.5 tons FeMn
- 4.5 tons CrPM10
- 3.5 tons MnPM10
- 1.0 tons NO_x (NITROGEN OXIDES)
- 6.0 tons CO (CARBON MONOXIDE)
- 2.0 tons SO_x (SULFUR OXIDES)
- 0.5 tons VOCs (VOLATILE ORGANIC COMPOUNDS)
- 5.0 tons SINGLE HAP (HAZARDOUS AIR POLLUTANT)
- 10.0 tons ALL HAPs COMBINED

**SECTION C. Site Level Requirements****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Visible fugitive particulate emissions shall not be visible from a building or process per 25 Pa Code Section 123.1 with the exception of stockpiling materials.

011 [25 Pa. Code §129.14]**Open burning operations**

(a) Air basins. No person may permit the open burning of material in an air basin.

(b) Not Applicable

(c) Exceptions: The requirements of subsections (a) and (b) do not apply where the open burning operations result from:

(1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.

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

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

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

(5) A fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of such structure.

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

(7) A fire set solely for cooking food.

(d) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:

(1) As used in this subsection the following terms shall have the following meanings:

Air curtain destructor -- A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

Clearing and grubbing wastes -- Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

(2) Subsection (a) notwithstanding, clearing and grubbing wastes may be burned in a basin subject to the following requirements:

(i) Air curtain destructors shall be used when burning clearing and grubbing wastes.

(ii) Each proposed use of air curtain destructors shall be reviewed and approved by the Department in writing with respect to equipment arrangement, design and existing environmental conditions prior to commencement of burning. Proposals approved under this subparagraph need not obtain plan approval or operating permits under Chapter 127 (relating to construction modification, reactivation and operation of sources).

(iii) Approval for use of an air curtain destructor at one site may be granted for a specified period not to exceed 3 months, but may be extended for additional limited periods upon further approval by the Department.

(iv) The Department reserves the right to rescind approval granted if a determination by the Department indicates that an air pollution problem exists.

**SECTION C. Site Level Requirements**

(3) Subsection (b) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:

(i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (b) of this section.

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.

(4) During an air pollution episode, open burning is limited by Chapter 137 (relating to air pollution episodes) and shall cease as specified in such chapter.

II. TESTING REQUIREMENTS.**# 012 [25 Pa. Code §139.1]****Sampling facilities.**

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

III. MONITORING REQUIREMENTS.**# 013 [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.

014 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The permittee shall record the pressure drop across the baghouse on continuous basis. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee.

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

The owner/operator shall keep records of any violations of the visible fugitive emission, visible emission, and malodor limits obtained herein. The owner/operator shall keep records of all actions taken to bring facility into compliance. Records shall be kept for five years, and shall be made available to the Department upon request.

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

**SECTION C. Site Level Requirements**

The owner/operator shall keep sufficient records and retain them for 5 years, to demonstrate that the total processed /stored product and direct transfer of product restrictions has been met, and make them available to the Department upon request.

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

The permittee shall identify the following information and keep record on site:

- a. All days during which any visible emissions of fugitive dust were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving any emissions unit;
- b. All days during which any visible particulate emissions were observed from the stack serving any emission unit; and
- c. Any corrective actions taken to minimize or eliminate the visible emissions.

018 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain a record of all visible stack emission, fugitive emission, and potentially objectionable odor surveys performed. The records shall include the date, time, name and title of the observer, whether stack emissions, fugitive emissions, or potentially objectionable odors were observed, and any corrective action. Records shall be kept on site for a minimum of 5 years and made available to the Department upon request.

019 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with §§ 135.3 and 135.21 (relating to reporting; and emission statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

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

The following records shall be kept in accordance with fugitive dust control measures, on the schedule noted below. For daily records, the records are kept daily when the facility is operating.

Recordkeeping Plan

Area	Item	Recordkeeping Frequency
Paved Roadways	Condition	Daily
Paved areas	Sweeping	Daily
Paved areas	Watering	Whenever performed
Control Devices	Inspection, maintenance and repair	Daily and weekly
Facility wide	Chemical stabilizer application	Whenever control measures are used
Facility wide	Result of presence/absence of VFPE at process	Daily

Responsible personnel for each of these items will vary, but overall responsibility for implementation of the inspection maintenance, and testing requirements will remain with the Terminal Manager.

Notes:

1. For paved roadway sweeping, the following information shall be recorded:

**SECTION C. Site Level Requirements**

- Name of operator
- Start and Stop times
- Roadways which were swept
- Number of passes completed
- Roadway condition

2. For water application to roadways by subcontracted truck, the following information shall be recorded:

- Name of operator and truck number
- Start and stop times
- Number of passes completed
- Roadway condition

3. The following records shall be kept in accordance with control device maintenance and repair:

- Written records of inspections, maintenance, and repairs. The control devices are inspected weekly, when operations are being performed, and the results of the inspection recorded.

The items inspected include, but are not limited to the following:

- Differential pressure across the control device
- Proper operation of hopper discharge device, as applicable
- Observation of visible emissions

In the event that any of these items are found to be deficient (e.g., pressure outside of appropriate range, non-normal visible emissions, etc.), troubleshooting and corrective action is immediately begun to return the device to proper operation. Records are kept of all subsequent corrective action activities. Records are also kept whenever maintenance or repairs are performed.

4. For unpaved areas, if chemical stabilizer is applied, the application must be recorded as follows:

- Type of chemical stabilizer applied
- Areas of application
- Quantity of chemical stabilizer applied

021 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Compliance with mass emission limits established in this operating permit may be demonstrated using engineering calculations based on fuel and raw material purchase records, manufacturers specifications, AP-42 emission factors, source test results, operating records, material balance methods, and/or other applicable methods with written Departmental approval.

Records to establish compliance with mass emission limits shall be maintained on a monthly basis, retained for 5 years, and made available to the Department upon request.

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

Whenever the monitored value for the pressure drop deviates from the limit or the range established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain the records of the following information for each investigation:

- a. the date and time the deviation began;
- b. the magnitude of the deviation at that time;

**SECTION C. Site Level Requirements**

- c. the date the investigation was conducted;
- d. the name(s) of the personnel who conducted the investigation; and
- e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

- f. a description of the corrective action;
- g. the date corrective action was completed;
- h. the date and time the deviation ended;
- i. the total period of time (in minutes) during which there was a deviation;
- j. the pressure drop readings immediately after the corrective action was implemented; and
- k. the name(s) of the personnel who performed the work.

This range or limit on the pressure drop across the baghouse is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the Department. The permittee may request revisions to the permitted limit or range for the pressure drop based upon information obtained during future testing that demonstrate compliance with the allowable particulate emission rate for the controlled emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative modification.

023 [25 Pa. Code §135.5]**Recordkeeping**

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

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

- (a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.
- (b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.
- (c) The report shall describe the following:
 1. name, permit or authorization number, and location of the facility,
 2. nature and cause of the malfunction, emergency or incident,
 3. date and time when the malfunction, emergency or incident was first observed,

**SECTION C. Site Level Requirements**

4. expected duration of excess emissions,
5. estimated rate of emissions,
6. corrective actions or preventative measures taken.

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

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

(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.

025 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall submit electronically quarterly deviation (excursion) reports to DEP SWRO Pittsburgh office that include the following information:

- a. Each period of time (start time and date, and end time and date) when the pressure drop across a fabric filter/baghouse was outside of the range specified by the manufacturer and outside of the acceptable range following any required compliance demonstration;
- b. Any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the fabric filter/baghouse;
- c. Each incident of deviation described in "a" (above) where a prompt investigation was not conducted;
- d. Each incident of deviation described in "a" where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken;
- e. Each incident of deviation where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and record keeping requirements of this permit; and
- f. The actual throughput of affected materials processed.

026 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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

(b) A person who receives initial notification by the Department that a source report is necessary shall submit an initial source report within 60 days after receiving the notification or by March 1 of the year following the year for which the report is required, whichever is later.

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

**SECTION C. Site Level Requirements****# 027 [25 Pa. Code §135.3]****Reporting**

a) The Owner/Operator shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported.

(b) - (c) N/A.

VI. WORK PRACTICE REQUIREMENTS.**# 028 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

1. The permittee shall operate and maintain all sources at this facility in accordance with manufacturers' specifications.
2. The permittee shall ensure the tarping of each truck containing affected materials for transferring any dusty material in and out of the facility, to minimize or eliminate emissions of fugitive dust into the ambient air. There shall be no visible emissions of fugitive dust into the ambient air from the tarped trucks. In addition the permittee shall use all reasonable measures to ensure incoming trucks are tarped (e.g., notice to the driver, hauling contractor, and/or owner of materials shipped to the facility).
3. All trucks shall be handled in such a way as to minimize track out onto the public road.
4. The terminal shall notify the Department at least 5 days before handling bulk materials that have not been previously handled by the terminal. The Department shall determine the suitability of the terminal handling the bulk material based on its observations.
5. The front loader shall be operated in such a fashion as to minimize the drop into the truck on the dock.
6. The terminal shall not handle bulk materials under excessively windy conditions, where the force of the wind materially contributes to the generation of fugitive dust.
7. All roads shall be kept clean or watered as needed to minimize dust.
8. At no time shall the terminal undertake any activity, even when in compliance with the above work practices, such that it permits fugitive dust to cross the property line.
9. The moisture content of the material being processed at each emission unit shall be sufficient to minimize or eliminate visible particulate emissions of fugitive dust.
10. The permittee shall ensure that all bulk affected materials (i.e. excluding packaged materials) loaded out shall only be loaded out at the truck loadout sheds, which are equipped with capture and baghouse control systems.
11. The permittee shall promptly replace any missing, defective, or damaged hanging strips at material load-in points at material processing operations to minimize or eliminate emissions of fugitive dust into the ambient air. Such hanging strips shall continue to be maintained in proper condition.

029 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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

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

These observations are to ensure continued compliance with source-specific visible emission limitations, fugitive

**SECTION C. Site Level Requirements**

emissions prohibited under 25 Pa. Code § 123.1 or 25 Pa. Code § 123.2, and malodors prohibited under 25 Pa. Code § 123.31. Observations for visible stack emissions shall be conducted during daylight hours and all observations shall be conducted while sources are in operation. If any visible stack emissions, fugitive emissions, or potentially objectionable odors are apparent, the Owner/Operator shall take corrective action. These observations determine whether, or not, these conditions exist. They do not quantify the level of existing conditions. Therefore, the observations for presence, or lack of, visible emissions do not require that they be performed by a person certified as a qualified observer for EPA Method 9 for Visual Determination of the Opacity of Emissions from Stationary Sources.

Equipment at the plant shall not operate in violation of 25 Pa. Code § 123.1 and 25 Pa. Code § 123.2.

030 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall continue to prohibit the practice of placing road sweepings from the Stateline Facility on the ground next to the western edge of the property near the East Liverpool Water Plant, in order to control fugitive dust emissions from the road sweepings. The permittee shall place any road sweepings within an enclosure equipped with an operational access door for vehicles transporting materials. This door shall be kept closed except when the road sweepings pile is being added to or removed for disposal.

031 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall promptly remove, in such a manner as to minimize or prevent re-suspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.

032 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall equip all baghouses at all units that handle affected materials at the Facility with a continuous pressure drop monitoring and recording system and continuously operate the baghouses in compliance with all applicable requirements including, but not limited to, good engineering practices and manufacturers' recommendations. Future replacements of baghouse filter bags shall be with PTFE membrane filter bags.

033 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Inspections of Control Device C111 shall be conducted as follows:

- A daily inspection shall be performed when unit is in operation.
- A daily recording of the differential pressure drop across the filters
- A daily check for observations of visible emissions from stack;
- The weekly inspections shall be performed to include verification of proper operation of hopper discharge device, air lines, and solenoid/diaphragm valves;
- If any parameter is found to be deficient, it would initiate troubleshooting and corrective action shall began to return the device to proper operation;
- Records shall be kept of all corrective action activities, inspections, maintenance, or repairs are performed.

VII. ADDITIONAL REQUIREMENTS.**# 034 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall continue to maintain signs throughout the facility that limit the speed of all vehicles to 5 miles per hour.

035 [25 Pa. Code §127.444]**Compliance requirements.**

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

VIII. COMPLIANCE CERTIFICATION.

**SECTION C. Site Level Requirements**

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

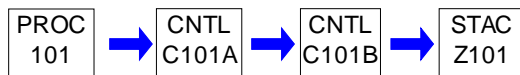
**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: KUX CRUSHER/SIMPLICITY SCREENER

Source Capacity/Throughput:

N/A

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

KUX Crusher/Simplicity Screener throughput shall not exceed the following in any 12-month rolling period:

- 2,190,000 tons non-affected material
- 810,000 tons as potential chromium containing material
- The owner/operator shall not process Affected Materials at this source.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

The permittee shall keep the record of throughput of all material throughput on a 12-month rolling basis on site for 5-year period and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

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

The KUX Crusher/Simplicity Screener operations shall occur inside building enclosures. Vinyl strip material shall be maintained at the open end of the hopper enclosure to serve as a dust curtain.

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

The owner/operator shall operate wet suppression as needed at the initial drop from the hopper feeder to the crusher to reduce fugitive emissions from the processed material.

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

The owner/operator shall perform inspections of the building enclosures and of the wet suppression system weekly when the unit is in operation to ensure proper operation and adequate control.

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

Visual fugitive particulate emission checks shall be performed daily when the unit is in operation. Maintenance activities shall be performed as needed, in accordance with manufacturer's recommendations.

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

The owner/operator is prohibited to process Affected Materials in KUX Crusher.

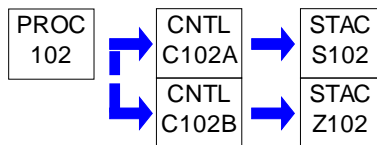
**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: FINE SIZE SCREENER

Source Capacity/Throughput:

N/A

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Fine Size Screener throughput shall not equal or exceed the following in any 12-month rolling period:

- 1,226,400 tons as potential material.
- 50,000 tons of Chromium containing material.
- 744,425 tons of Manganese containing material.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

A continuous pressure drop monitoring and recording system shall be maintained on the baghouse.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Monitoring and/or Recordkeeping Requirements:

(1) In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable range established for the pressure drop across the baghouse is between 1.0 to 6.0 inches of water.

(2) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The permittee shall record the pressure drop across the baghouse on a daily basis. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. Whenever the monitored value for the pressure drop deviates from the limit or range established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

- a. The date and time the deviation began;
- b. The magnitude of the deviation at that time;
- c. The date the investigation was conducted;
- d. The name(s) of the personnel who conducted the investigation; and
- e. The findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified in this permit, unless the

**SECTION D. Source Level Requirements**

permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

- f. A description of the corrective action;
- g. The date corrective action was completed;
- h. The date and time the deviation ended;
- i. The total period of time (in minutes) during which there was a deviation;
- j. The pressure drop readings immediately after the corrective action was implemented; and
- k. The name(s) of the personnel who performed the work.

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

The permittee shall keep the record of all material throughput on a 12-month rolling basis on site for 5 year period and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

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

Visual fugitive particulate emission checks shall be performed daily when the unit is in operation. Maintenance activities shall be performed as needed, in accordance with manufacturer's recommendations. Documented inspections of building enclosures and the baghouse system shall be performed on a weekly basis.

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

During screening activities, doors, windows, and other building openings shall be kept closed as required. Wet suppression through the use of a mobile mister or a fog cart shall be used to mitigate particulate emissions around the building enclosure as needed when processing Affected Materials.

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

The MEV Screening operations shall occur inside a building enclosure. Vinyl strip material shall be installed at the open end of the dump hopper enclosure to serve as a dust curtain. The screener, chutes, and screened material bins shall be fully enclosed.

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

Screened material shall be removed from the bins with vibratory feeders discharging directly into the bucket of a front-end loader. The loader bucket shall be placed as close as possible to the feeder discharge to minimize drop heights.

VII. ADDITIONAL REQUIREMENTS.

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

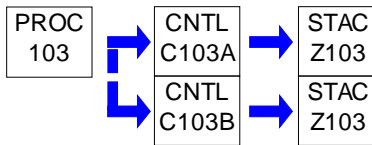
**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: SCREEN BOXES (2)

Source Capacity/Throughput:

N/A

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

Screen Boxes throughput shall not exceed in any 12-month rolling period:

- 1,314,000 tons of material.
- 50,000 tons of Chromium containing material.
- 312,732 tons of Manganese containing material.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

The permittee shall keep the record of all material throughput on a 12-month rolling basis on site for 5 year period, and shall be made available to the Department upon request.

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

Wet suppression through the use of a mobile mister or a fog cart shall be used to mitigate particulate emissions around the building enclosure as needed when processing Affected Materials.

V. REPORTING REQUIREMENTS.

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

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

Screen boxing of Affected Materials shall only occur inside warehouse type buildings.

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

Fugitive particulate emission inspections from the building egress points shall be performed daily when the unit is in operation.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

Source ID: 105

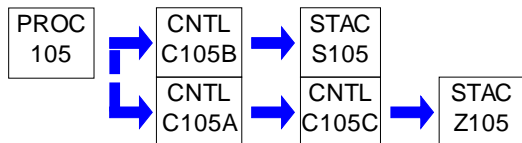
Source Name: MISCELLANEOUS MATERIAL HANDLING OPERATIONS

Source Capacity/Throughput:

N/A

N/A

N/A

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

Material handling operations throughput shall not equal or exceed the following in any 12-month rolling period:

- Total material handling = 6,613,400 tons
- Total Chromium containing material = 2,830,579 tons
- Total Manganese containing material = 2,214,011 tons

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

The permittee shall keep the record of all material throughput on a 12-month rolling basis on site for 5- year period, and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

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

The truck drivers that are picking up loads shall tarp the trucks carrying Affected Materials. Signs shall be maintained at the exit end of the load-out sheds to indicate the tarping areas.

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

Fugitive emission inspections of the baghouse stack and of fugitive dust from the building egress points shall be performed as needed in accordance with manufacturer's recommendations.

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

The truck entrance and exit openings of load-out shed building (Loadout F) shall be kept closed during the loading process.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

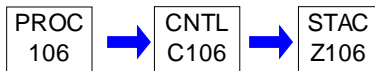
Source ID: 106

Source Name: PAVED ROADWAYS

Source Capacity/Throughput:

N/A

Product Throughput

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

Material throughput on paved roadways shall not equal or exceed the following in any 12-month rolling period:

- Material receipt to PA	= 876,000 tons
- Material receipt to OH	= 876,000 tons
- Ohio Railcar to PA Storage	= 1,095,000 tons
- Storage to Processing (KUX & FSS)	= 3,416,400 tons
- Processing to Storage	= 3,416,400 tons
- Storage to Truck Load-out	= 1,445,000 tons
- Truck Load-out to Plant Exit	= 1,445,000 tons

Total material throughput on Paved Roadways = 12,569,800 tons

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

The permittee shall keep the record of all material throughput on a 12-month rolling basis on site for 5-year period, and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

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

The owner/operator shall complete periodically visual yard inspection throughout the day to assess roadway conditions and to prioritize the cleaning needs.

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

All paved facility roadways with vehicle traffic are watered/vacuumed daily, weather permitting, by the company-owned sweeper truck, which shall be equipped with a water spray system. As part of the vacuuming process, when temperatures allow, the truck also sprays water onto the roadway surface. Paved areas without vehicle traffic are vacuumed and watered, weather permitting, on a frequency greater than once per month. When accessible by the sweeper truck and/or the watering truck, these areas shall be typically vacuumed and watered several times per week.

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

The aisles of indoor storage buildings that are in use for the handling and/or processing of Affected Materials shall be vacuumed at least once per shift. The aisles of indoor storage buildings in use for storing Affected Materials shall be vacuumed once per operating day.

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

The owner/operator shall water the paved roadways on a daily basis, weather permitting, by an outside contractor with a water truck. The water truck shall spray water on all accessible paved surfaces throughout the facility.

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

The exterior doorway areas of indoor storage buildings when in use for the handling and/or processing of Affected Materials shall be watered at least once per shift, weather permitting. The exterior doorway areas of indoor storage buildings in use for storing Affected Materials shall be watered at least once per operating day, weather permitting.

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

Every truck entering and exiting the facility shall traverse rumble strips (two sets) at the truck scales to prevent loose debris from being tracked into or out of the facility.

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

All vehicles entering and exiting the facility shall drive at the posted speed limit (5 mph) to ensure fugitive dust control. Signs shall be posted at the facility entrance and throughout the facility indicating the speed limit for vehicular traffic.

**SECTION D. Source Level Requirements**

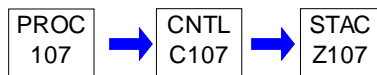
Source ID: 107

Source Name: STORAGE PILES

Source Capacity/Throughput:

N/A

N/A

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The owner/operator shall store the Affected Materials only in warehouse-type buildings, whose only openings to the ambient air are through access doors for vehicles transporting materials. PVC strips shall be installed on larger building doorways to narrow the openings to the extent feasible and safe. The PVC strips shall routinely be inspected and repaired as necessary.

Non-affected materials of smaller particle size or that may produce fugitive emissions shall primarily be stored in either warehouse type buildings or stall-type bins.

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

Manual doors shall be installed on the northern side of warehouse buildings MTM 1, MTM 2, and MTM 3. These doors shall remain closed unless access is needed through these doorways.

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

Non-affected materials stored outdoors that may produce emissions shall be watered daily (weather permitting) using the water truck until crusted and firm, or are tarped when no material transfer is occurring. If no fugitives are observed from any

**SECTION D. Source Level Requirements**

other piles (e.g., pig iron), no watering/tarping is required. Piles shall not be typically sprayed in the winter, unless the pile is being worked and weather permitting.

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

The following procedure shall be adopted for active piles:

- Position operations as favorably as possible;
- Dampen/wet material if possible and/or position wet suppression equipment to control fugitive emissions;
- Minimize drop heights; and
- Suspend operations pending favorable weather conditions, as necessary

This procedure applies to any outdoor pile, regardless of material size, and is applicable in all weather conditions. The number, size, and composition of outdoor piles vary based on customer requirements.

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

Affected Materials shall be stored in stall-type storage buildings after the installation of partitioning from the top of the shared rear bin wall to the building roof to isolate both sides of each stall in these buildings used to store Affected Materials. Each stall-type bin used to store Affected Materials shall have a rolling door installed to further isolate the individual bin from the ambient air. After completion of the improvements:

- a. S.H. Bell shall provide written notice to the Ohio EPA one week prior to use of stall-type bin.
- b. Visible fugitive particulate emissions shall not be visible from a building or process per 25 Pa Code §123.1.
- c. PVC strips shall be installed on the opened entrance and exits of the buildings storing Affected Materials to narrow the size of the openings to the extent feasible and safe.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

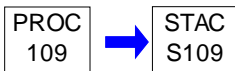
Source ID: 109

Source Name: EMERGENCY GENERATOR RATED AT 85 BHP

Source Capacity/Throughput:

N/A

#2 Oil

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

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal co**

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

Operation Hours Restriction(s).

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

Operation of the emergency generator shall not equal or exceed 500 hours in any consecutive 12-month rolling period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

The permittee shall keep the maintenance record and hours of operation of the emergency generator. All records shall be kept on site for 5-year period and made available to the Department upon request.

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, owners and operators may only change those settings that are permitted by the manufacturer. You must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

(c) If you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in §60.4204(b) or §60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table

**SECTION D. Source Level Requirements**

3 to this subpart and must comply with the emission standards specified in §60.4205(c), you must comply by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's specifications.

(e) Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. For owners and operators of emergency engines meeting standards under §60.4205 but not §60.4204, any operation other than emergency operation, and maintenance and testing as permitted in this section, is prohibited.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

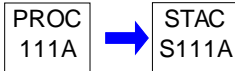
Source ID: 111A

Source Name: JOHN DEERE DIESEL ENGINE 150 BHP

Source Capacity/Throughput:

N/A

Diesel Fuel

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

001 [40 CFR Part 1039 Cntrl of Emissns Frm New/In-Use Nonroad Compressn-Ignition Engs §40 CFR 1039.101] Subpart B - Emission Standards and Related Requirements

What exhaust emission standards must my engines meet after the 2014 model year?

§ 1039.101 What exhaust emission standards must my engines meet after the 2014 model year?

The exhaust emission standards of this section apply after the 2014 model year. Certain of these standards also apply for model year 2014 and earlier. This section presents the full set of emission standards that apply after all the transition and phase-in provisions of §1039.102 and §1039.104 expire. See §1039.102 and 40 CFR 89.112 for exhaust emission standards that apply to 2014 and earlier model years. Section 1039.105 specifies smoke standards.

(a) Emission standards for transient testing. Transient exhaust emissions from your engines may not exceed the applicable emission standards in Table 1 of this section. Measure emissions using the applicable transient test procedures described in subpart F of this part. The following engines are not subject to the transient standards in this paragraph (a):

- (1) Engines above 560 kW.
- (2) Constant-speed engines.

(b) Emission standards for steady-state testing. Steady-state exhaust emissions from your engines may not exceed the applicable emission standards in Table 1 of this section. Measure emissions using the applicable steady-state test procedures described in subpart F of this part.

Table 1 of §1039.101:

Tier 4 Exhaust Emission Standards After the 2014 Model Year [1]

For maximum engine power 56 = kW <130

- 0.02 g/kW-hr PM
- 0.40 g/kW-hr NOx
- 0.19 g/kW-hr NMHC
- 5.0 g/kW-hr CO

[1]Note that some of these standards also apply for 2014 and earlier model years. This table presents the full set of emission standards that apply after all the transition and phase-in provisions of §1039.102 expire.

(c) Not applicable

(d) Averaging, banking, and trading. You may generate or use emission credits under the averaging, banking, and trading (ABT) program, as described in subpart H of this part. This requires that you specify a family emission limit (FEL) for each pollutant you include in the ABT program for each engine family. These FELs serve as the emission standards for the engine family with respect to all required testing instead of the standards specified in paragraphs (a) and (b) of this section. The FELs determine the not-to-exceed standards for your engine family, as specified in paragraph (e) of this section.

(1) Primary FEL caps. The FEL may not be higher than the limits in Table 2 of this section, except as allowed by paragraph (d)(2) of this section or by §1039.102:

Table 2 of §1039.101—Tier 4 FEL Caps After the 2014 Model Year, g/kW-hr
 Maximum engine power Application PM NOX NOX + NMHC
 For maximum engine power 56 = kW <130

**SECTION D. Source Level Requirements**

0.04 g/kW-hr PM
0.80 g/kW-hr NOx

(2) Alternate FEL caps. For a given power category, you may use the alternate FEL caps shown in Table 3 of this section instead of the FEL caps identified in paragraph (d)(1) of this section for up to 5 percent of your U.S.-directed production volume in a given model year.

Table 3 of §1039.101—Alternate FEL Caps

For maximum engine power 56 = kW <130, starting model year 2016[3]

0.30 g/kW-hr PM FEL cap
3.8 g/kW-hr NOx FEL cap

[3]For engines below 75 kW, the FEL caps are 0.40 g/kW-hr for PM emissions and 4.4 g/kW-hr for NOx emissions.

(e) Not-to-exceed standards. Exhaust emissions from your engines may not exceed the applicable not-to-exceed (NTE) standards in this paragraph (e).

(1) Measure emissions using the procedures described in subpart F of this part.

(2) Except as noted in paragraph (e)(7) of this section, the NTE standard, rounded to the same number of decimal places as the applicable standard in Table 1 of this section, is determined from the following equation:

$$\text{NTE standard for each pollutant} = (\text{STD}) \times (\text{M})$$

Where:

STD = The standard specified for that pollutant in Table 1 of this section (or paragraph (c) of this section) if you certify without using ABT for that pollutant; or the FEL for that pollutant if you certify using ABT.

M = The NTE multiplier for that pollutant, as defined in paragraph (e)(3) of this section.

(3) The NTE multiplier for each pollutant is 1.25, except in the following cases:

(i) IF The engine family is certified to a NOx standard less than 2.50 g/kW-hr without using ABT
OR The engine family is certified to

a NOx FEL less than 2.50 g/kW-hr or a NOx + NMHC FEL less than 2.70 g/kW-hr
THEN The multiplier for NOx, NMHC, and NOx + NMHC is 1.50.

(ii) IF The engine family is certified to a PM standard less than 0.07 g/kW-hr without using ABT
OR The engine family is certified to a PM FEL less than 0.07 g/kW-hr
THEN The multiplier for PM is 1.50.

(4) There are two sets of specifications of ambient operating regions that will apply for all NTE testing of engines in an engine family. You must choose one set for each engine family and must identify your choice of ambient operating regions in each application for certification for an engine family. You may choose separately for each engine family. Choose one of the following ambient operating regions:

(i) All altitudes less than or equal to 5,500 feet above sea level during all ambient temperature and humidity conditions.

(ii) All altitudes less than or equal to 5,500 feet above sea level, for temperatures less than or equal to the temperature determined by the following equation at the specified altitude:

$$T = -0.00254 \times A + 100$$

Where:

T = ambient air temperature in degrees Fahrenheit.

A = altitude in feet above sea level (A is negative for altitudes below sea level).

(5) Temperature and humidity ranges for which correction factors are allowed are specified in 40 CFR 86.1370-2007(e).

(i) If you choose the ambient operating region specified in paragraph (e)(4)(i) of this section, the temperature and humidity ranges for which correction factors are allowed are defined in 40 CFR 86.1370-2007(e)(1).

(ii) If you choose the ambient operating region specified in paragraph (e)(4)(ii) of this section, the temperature and

**SECTION D. Source Level Requirements**

humidity ranges for which correction factors are allowed are defined in 40 CFR 86.1370-2007(e)(2).

(6) For engines equipped with exhaust-gas recirculation, the NTE standards of this section do not apply during the cold operating conditions specified in 40 CFR 86.1370-2007(f).

(7) For engines certified to a PMFEL less than or equal to 0.01 g/kW-hr, the PM NTE standard is 0.02 g/kW-hr.

(f) Fuel types. The exhaust emission standards in this section apply for engines using the fuel type on which the engines in the engine family are designed to operate, except for engines certified under §1039.615. For engines certified under §1039.615, the standards of this section apply to emissions measured using the specified test fuel. You must meet the numerical emission standards for NMHC in this section based on the following types of hydrocarbon emissions for engines powered by the following fuels:

- (1) Alcohol-fueled engines: THCE emissions.
- (2) Gaseous-fueled engines: Nonmethane-nonethane hydrocarbon emissions.
- (3) Other engines: NMHC emissions.

(g) Useful life. Your engines must meet the exhaust emission standards in paragraphs (a) through (e) of this section over their full useful life.

(1) The useful life values are shown in the following table, except as allowed by paragraph (g)(2) of this section:

Table 4 of §1039.101—Useful Life Values

(i-iv) Not applicable

(v) If your engine is certified as . . . Variable speed or constant speed

And its maximum power is . . . kW=37

And its rated speed is . . . Any speed

Then its useful life is . . . 8,000 hours or ten years, whichever comes first

(2) You may request in your application for certification that we approve a shorter useful life for an engine family. We may approve a shorter useful life, in hours of engine operation but not in years, if we determine that these engines will rarely operate longer than the shorter useful life. If engines identical to those in the engine family have already been produced and are in use, your demonstration must include documentation from such in-use engines. In other cases, your demonstration must include an engineering analysis of information equivalent to such in-use data, such as data from research engines or similar engine models that are already in production. Your demonstration must also include any overhaul interval that you recommend, any mechanical warranty that you offer for the engine or its components, and any relevant customer design specifications. Your demonstration may include any other relevant information. The useful life value may not be shorter than any of the following:

- (i) 1,000 hours of operation.
- (ii) Your recommended overhaul interval.
- (iii) Your mechanical warranty for the engine.

(h) Applicability for testing. The emission standards in this subpart apply to all testing, including certification, selective enforcement audits, and in-use testing. For selective enforcement audits, we will require you to perform duty-cycle testing as specified in §§1039.505 and 1039.510. The NTE standards of this section apply for those tests. We will not direct you to do additional testing under a selective enforcement audit to show that your engines meet the NTE standards.

[69 FR 39213, June 29, 2004, as amended at 70 FR 40462, July 13, 2005; 81 FR 74133, Oct. 25, 2016]

II. TESTING REQUIREMENTS.

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

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

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

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

The owner/operator shall maintain accurate records of the number of hours per month that engine operated using nonresettable hour meter and amount of fuel used and these records shall be retained at site for 5 years and shall be furnished to the Department on request.

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

Compliance with the emission limitations established in this plan approval shall be demonstrated with vendor guarantees, manufacturer's certification, recent on-site test data on similar engines, or any other means approved by the Department.

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

The owner/operator shall affix a permanent and legible label on the diesel engine per 40 CFR § 89.110.



SECTION E. Source Group Restrictions.



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.



SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

The following insignificant sources of air pollution and are exempt from operating permit requirements:

- Space heaters;
- Air conditioning units;
- Combustion emissions from the propulsion of mobile sources;
- Plant maintenance and house-keeping activities not related to primary business activity;
- Repair or maintenance and shop activities not related to primary business activity;
- Use of gear oil and other materials for equipment upkeep;
- Intermittent use of gas torches to open packaged materials;
- Air compressors on service trucks; and
- Battery charging systems on service trucks

NOTE:- The entire S.H. Bell facility is divided into two (2) states which includes air contamination sources and air cleaning devices on Pennsylvania side as well Ohio Side. The facility is non-major for all criteria, hazardous, and greenhouse gas pollutants.

The following is the facility-wide estimated emission from all the sources on Pennsylvania Side:

PM = 92.87 tpy
 PM10 = 27.9 tpy
 FeCr = 4.27 tpy
 FeMn = 3.86 tpy
 CrPM10 = 2.99 tpy
 MnPM10 = 3.09 tpy
 NOx = 0.58 tpy
 CO = 5.55 tpy
 SOx = 1.39 tpy
 VOC = 0.26 tpy

Facility-wide estimated emissions from all sources on the Ohio Side is given below:

PM = 147.30 tpy
 PM10 = 55.30 tpy
 FeCr = 6.09 tpy
 FeMn = 1.72 tpy
 CrPM10 = 4.45 tpy
 MnPM10 = 2.40 tpy
 NOx = 1.02 tpy
 CO = 0.89 tpy
 SOx = 0.05 tpy
 VOC = 0.10 tpy

Facility-wide estimated emissions from all sources on the Pennsylvania side and the Ohio side are represented below:

PM = 240.17 tpy
 PM10 = 83.2 tpy
 FeCr = 10.36 tpy
 FeMn = 5.58 tpy
 CrPM10 = 7.44 tpy
 MnPM10 = 5.49 tpy
 NOx = 1.6 tpy
 CO = 6.44 tpy
 SOx = 1.44 tpy
 VOC = 0.36 tpy

According to Consent Decree between EPA and S.H. Bell vide Case: 4:17-cv-00131-BYP Doc No. 2-1 Filed: 01/18/17.

The following is the Fugitive Dust Control Measures that S.H. Bell must do to control fugitive dust:

- Sweep aisles and water doorways (weather permitting) of indoor storage buildings (as necessary) to prevent Affected Materials from the exiting the building (facility-wide);
- Cease processing Affected Materials at the KUX Crusher (PA Side);
- Limit access to unpaved areas (until paved). Treat unpaved areas with dust suppressant. (Facility-wide)
- Tarp trucks containing Affected Materials; (Facility-wide)

**SECTION H. Miscellaneous.**

- Change filters on vacuum truck and sweeper truck in accordance with Manufacturer's specs, and use the best filters available. (Facility-wide)

Note: The term "Affected Materials" shall mean ferromanganese materials and other materials with a manganese content (raw material, intermediate, or finished product) that are processed or otherwise handled on site in such a manner that could cause the generation of stack or fugitive emissions containing ferromanganese or manganese compounds. Affected Materials shall not include materials that contain manganese, such as steel ingots, where the material is not a source of stack or fugitive emissions containing ferromanganese or manganese compounds. Affected materials also shall not include materials that contain chromium.



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