



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

**STATE ONLY SYNTHETIC MINOR OPERATING PERMIT**

Issue Date: July 5, 2024

Effective Date: July 5, 2024

Expiration Date: July 5, 2029

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: 15-00031**

Synthetic Minor

Federal Tax Id - Plant Code: 95-3618402-1

**Owner Information**

Name: HENRY CO

Mailing Address: 336 COLD STREAM RD  
KIMBERTON, PA 19442

**Plant Information**

Plant: HENRY CO/KIMBERTON PLT

Location: 15 Chester County

15923 East Pikeland Township

SIC Code: 2952 Manufacturing - Asphalt Felts And Coatings

**Responsible Official**

Name: TIM DZIAK

Title: PLANT MGR

Phone: (484) 614 - 5063

Email: tdziak@henry.com

**Permit Contact Person**

Name: TIM DZIAK

Title: PLANT MGR

Phone: (484) 614 - 5063

Email: tdziak@henry.com

[Signature] \_\_\_\_\_

JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER

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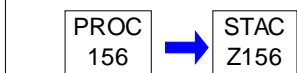
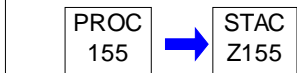
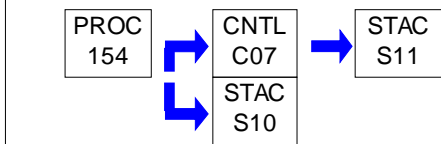
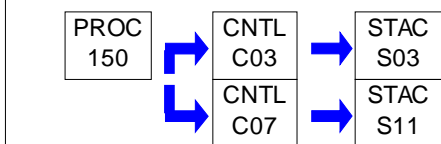
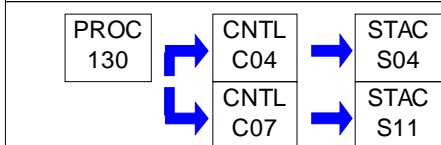
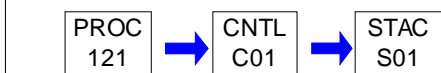
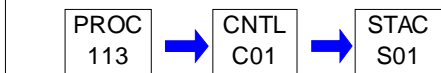
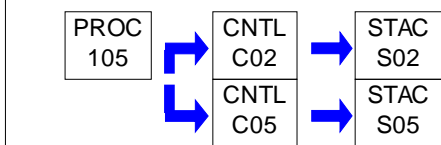
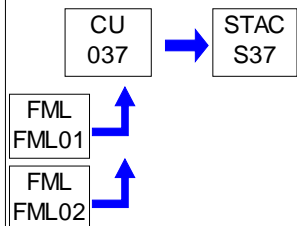
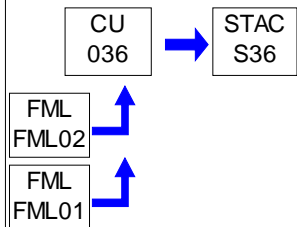
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput		Fuel/Material
036	CU'S 2.5 MMBTU OR LESS	6,505.000	CF/HR	Natural Gas
		48.900	Gal/HR	#2 Oil
037	CU'S MORE THAN 2.5 MMBTU	8,932.000	CF/HR	Natural Gas
		67.150	Gal/HR	#2 Oil
105	ASPHALT EMULSION	10,000.000	Lbs/HR	"BULKING" CLAY
113	MIXING TANKS	N/A		
121	LIMESTONE STORAGE BIN	40.000	Tons/HR	LIMESTONE
130	CHEMICAL EMULSION PLANT	N/A		
150	CLAY EMULSION PLANT	1,800.000	Th Gal/HR	ASPHALT-B-EMULS
154	TANK FARM	N/A		
155	PROCESS PIPING EQUIPMENT			
156	TANK #11	N/A		
157	PARTS WASHER			
158	TRUCK UNLOADING			
200	SEVEN (7) MIXERS	14,000.000	Gal/HR	COATING MATERIAL
300	EMERGENCY GENERATOR	719.000	CF/HR	Natural Gas
C01	PANGBORN BAGHOUSE	N/A		
C02	SLY BAGHOUSE			
C03	CLAY EMULSION PLANT TORIT DUST COLLECTOR			
C04	CHEMICAL EMULSION PLANT TORIT DUST COLLECTOR			
C05	SCRUBBER			
C07	ODOR CONTROL SYSTEM	N/A		
FML01	NATURAL GAS			
FML02	#2 OIL			
S01	PANGBORN STACK			
S02	SLY STACK			
S03	CLAY EMULSION PLANT TORIT DUST COLLECTOR STACK			
S04	CHEMICAL EMULSION PLANT TORIT DUST COLLECTOR STACK			
S05	SCRUBBER STACK			
S10	TANK FARM EMISSIONS			
S11	ODOR CONTROL SYSTEM STACK			
S159	STACK			
S36	CU'S 2.5 MMBTU OR LESS - STACKS			
S37	CU'S GREATER THAN 2.5 MMBTU - STACKS			
Z155	FUGITIVE EMISSIONS			
Z156	FUGITIVE EMISSIONS			
Z157	PARTS WASHER FUGITIVES			

**PERMIT MAPS**

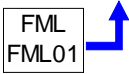
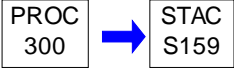
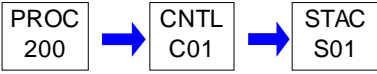
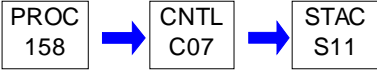
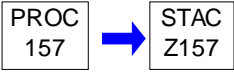


PERMIT MAPS





### 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<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> at the facility during the term of the permit.

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

(g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

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

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

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

(1) Section 127.14 (relating to exemptions)

(2) Section 127.447 (relating to alternative operating scenarios)

(3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)

(4) Section 127.449 (relating to de minimis emission increases)

(5) Section 127.450 (relating to administrative operating permit amendments)

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. Section 4003).

**# 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) Open burning operations, as specified in 25 Pa. Code § 129.14.
- (7) N/A
- (8) N/A
- (9) Sources and classes of sources other than those identified in (1)-(8) of this condition, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

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

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

**# 003 [25 Pa. Code §123.2]****Fugitive particulate matter**

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

**# 004 [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.

**# 005 [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 either of the following:

- (a) Equal to or greater than 20% for a period or periods aggregating more than three (3) minutes in any one (1) hour.
- (b) Equal to or greater than 60% at any time.

**# 006 [25 Pa. Code §123.42]****Exceptions**

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

- (a) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.

**SECTION C. Site Level Requirements**

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

**# 007 [25 Pa. Code §129.14]****Open burning operations**

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

- (a) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer;
- (b) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department;
- (c) A fire set for the prevention and control of disease or pests, when approved by the Department;
- (d) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation;
- (e) A fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of such structure;
- (f) A fire set solely for recreational or ceremonial purposes; or
- (g) A fire set solely for cooking food.

**# 008 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

The permittee shall limit total Volatile Organic Compounds (VOC) emissions from the whole facility to 24.9 tons per year based on a 12-month rolling sum.

[Compliance with this streamlined condition ensures compliance with the VOC RACT limit established under Operating Permit No. OP-15-0031]

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

- (a) If at any time the Department has cause to believe that air contaminant emissions from any source may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).
- (b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139, the most current version of the DEP Source Testing Manual, and the EPA Clean Air Act National Stack Testing Guidance, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

**III. MONITORING REQUIREMENTS.****# 010 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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



**SECTION C. Site Level Requirements**

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

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

(a) The permittee shall monitor the facility, once per operating day, for the following:

- (1) Odors which may be objectionable (as per 25 Pa. Code §123.31);
- (2) Visible emissions (as per 25 Pa. Code §§123.41 and 123.42); and
- (3) Fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).

(b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall:

- (1) Be investigated;
- (2) Be reported to the facility management, or individual(s) designated by the permittee;
- (3) Have appropriate corrective action taken (for emissions that originate on-site); and
- (4) Be recorded in a permanent written log.

(c) After six (6) months of daily monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly.

(d) After six (6) months of weekly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.

(e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification (if applicable), complaints, monitoring results, and/or Department findings.

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

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

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

The permittee shall maintain records in accordance with the minimum recordkeeping requirements of 25 Pa. Code § 129.95. At a minimum, this shall include:

- (a) Records shall provide sufficient data and calculations to clearly demonstrate that the requirements of VOC emission limitations established for RACT sources are met.
- (b) Data or information required to determine compliance with VOC emission limitations established for RACT sources shall be recorded and maintained in a time frame consistent with the averaging period of the requirements.

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

All records required herein this operating permit shall be maintained for a minimum of five years and made readily available to the Department upon request.

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

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

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

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

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department at 484-250-5920. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

(b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

- (1) Name, permit or authorization number, and location of the facility;
- (2) Nature and cause of the malfunction, emergency or incident;
- (3) Date and time when the malfunction, emergency or incident was first observed;
- (4) Expected duration of excess emissions;
- (5) Estimated rate of emissions; and
- (6) Corrective actions or preventative measures taken.

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (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

**SECTION C. Site Level Requirements**

the annual emissions inventory report is required by permit or authorization.

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

[Additional authority for this permit condition is also derived from 40 CFR Part 68]

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release [25 Pa. Code § 127.441(d) and 40 CFR Part 68] program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).
- (b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the threshold quantity at a facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:
- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
    - (i) Three years after the date on which a regulated substance is first listed under 40 CFR § 68.130; or,
    - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
  - (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.
  - (3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.
- (c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.
- (d) If this facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:
- (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
  - (2) Certify that this facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.
- (e) If this facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.
- (f) When this facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:
- (1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.
  - (2) The permittee fails to submit a compliance schedule or include a statement in an annual Compliance Certification submittal for the previous year indicating compliance with the requirements of the terms and conditions of this permit, and the requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68. The certification shall include:

**SECTION C. Site Level Requirements**

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

(g) The compliance certification should be postmarked or hand-delivered within thirty days of each anniversary date of the date of issuance of this permit.

**VI. WORK PRACTICE REQUIREMENTS.****# 018 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

- (a) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (b) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (c) Paving and maintenance of roadways.
- (d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

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

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

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

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

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

The permittee may not modify any air contaminant system identified in this permit, prior to obtaining Department approval, except those modifications authorized by Condition #013(g), of Section B, of this permit.

**VII. ADDITIONAL REQUIREMENTS.**

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

**VIII. COMPLIANCE CERTIFICATION.**

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

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

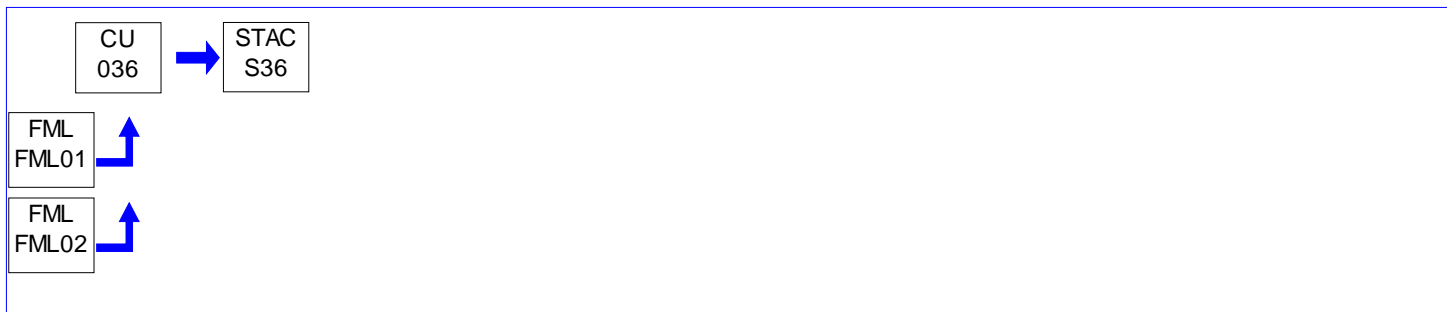
**SECTION D. Source Level Requirements**

Source ID: 036

Source Name: CU'S 2.5 MMBTU OR LESS

Source Capacity/Throughput:	6,505.000 CF/HR	Natural Gas
	48.900 Gal/HR	#2 Oil

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

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 036 consists of the following sources:

- |     |               |              |                         |
|-----|---------------|--------------|-------------------------|
| (a) | Source ID 033 | 1.4 MMBtu/hr | Moorhead Hot Oil Heater |
| (b) | Source ID 034 | 1.8 MMBtu/hr | Seller Hot Oil Heater   |
| (c) | Source ID 038 | 1.4 MMBtu/hr | Siemon Power-Flame      |



**SECTION D. Source Level Requirements**

(d) Source ID 039 2.1 MMBtu/hr Webster Boiler

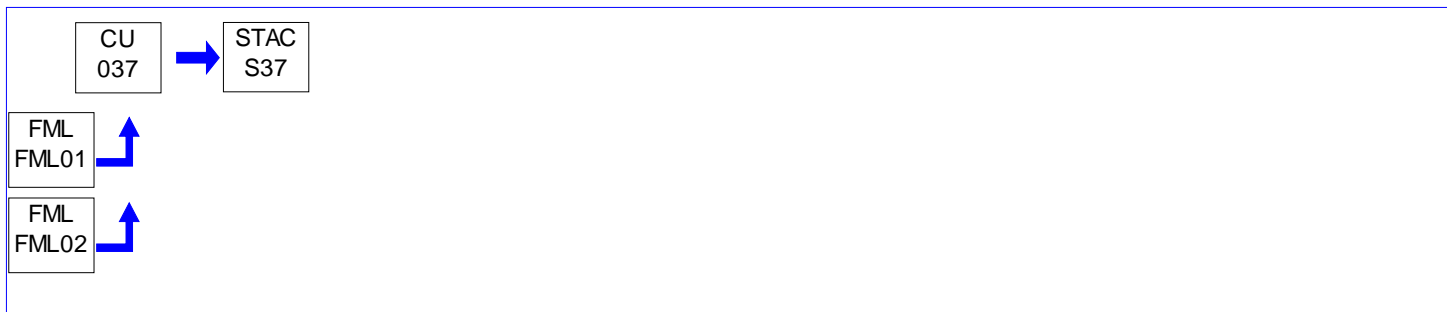
**SECTION D. Source Level Requirements**

Source ID: 037

Source Name: CU'S MORE THAN 2.5 MMBTU

Source Capacity/Throughput:	8,932.000 CF/HR	Natural Gas
	67.150 Gal/HR	#2 Oil

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

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

# 001 [25 Pa. Code §123.11]

**Combustion units**

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pound per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 037 consists of the following sources:

- (a) Source ID 032    2.9 MMBtu/hr    Besco Boiler
- (b) Source ID 036    6.3 MMBtu/hr    Hurst Boiler

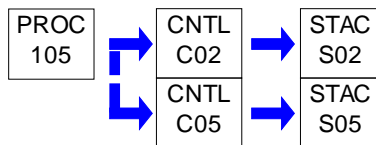


**SECTION D. Source Level Requirements**

Source ID: 105

Source Name: ASPHALT EMULSION

Source Capacity/Throughput: 10,000.000 Lbs/HR "BULKING" CLAY

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall not permit VOC emissions from this source in excess of 1.5 tons on a 12-month rolling basis.

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall monitor VOC emissions from this source on a monthly basis.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall use solution flow rate and pressure drop to obtain data and monitor the scrubber performance.

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

(a) The permittee shall use a flow meter to measure solution flow rate of the scrubber.

(b) The permittee shall use pressure gauges to measure pressure drop of the scrubber.

# 006 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall conduct flow rate monitoring and pressure drop monitoring on a daily basis for the scrubber associated with this source.

# 007 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall use pressure drop and opacity to obtain data and monitor the baghouse performance.

# 008 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

(a) The permittee shall use pressure gauges to measure pressure drop for the baghouse associated with this source.

**SECTION D. Source Level Requirements**

(b) The permittee shall use USEPA Test Method 22 to determine visible emissions occurring and USEPA Test Method 9 to measure opacity occurring at the baghouse associated with this source.

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall conduct pressure drop monitoring and visible emission monitoring on a daily basis for the baghouse associated this source.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 010 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The permittee shall record scrubber pressure drop readings daily using manual log entries based on gauge readings.

(b) The permittee shall record scrubber solution flow rate readings daily using manual log entries based on meter readings.

**# 011 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall maintain sufficient records demonstrating compliance with the particulate matter emission limit for this source.

**# 012 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The permittee shall record baghouse pressure drop readings daily using manual log entries based on gauge readings.

(b) The permittee shall record visible emission readings daily using manual log entries of US EPA Method 22 observations.

(c) If visible emissions are determined, the permittee shall record opacity readings daily using manual log entries of US EPA Method 9 observations.

**# 013 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The permittee shall record all inspections, repairs, and maintenance performed on the monitoring equipment associated with this source.

(b) The permittee shall maintain records of all monitoring downtime incidents. The permittee shall also record the dates, times and durations, possible causes and corrective actions taken for the incidents.

**# 014 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall calculate the VOC emissions from this source, based on solvent usage, on a monthly basis and as a 12-month rolling sum

**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.**

**# 015 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The bentonite clay hopper/elevator and the slate flour hopper shall both vent to the Sly Baghouse (Source ID C02).

(b) Mixing tanks #95 & 96 shall both vent to the Scrubber, and both the clay slurry tanks #90 & 93 vent to the C05 Scrubber.

**SECTION D. Source Level Requirements****# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain all monitoring equipment and stock parts necessary for routine repairs onsite.

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

The permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the control device associated with this source, such as the following:

(a) The permittee shall install gauges and meters at locations approved by the Department for obtaining data that are representative of the monitored indicator.

(b) The permittee shall develop verification procedures to confirm the operational status of new or modified monitoring equipment prior to commencement of the monitoring process, such as compare pressure gauge at a controlled pressure to that of a pressure of a known accuracy.

(c) The permittee shall calibrate and check the accuracy of monitoring equipment, taking into account the manufacturer's specifications, on a monthly basis.

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

The permittee shall ensure that at least 90% of the monitoring data has been properly and accurately collected.

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

The permittee shall operate the control device(s) associated with this source in accordance with the following work practice standards:

(a) The pressure drop across the fabric collector shall be greater than 0.5 inches and less than 8.0 inches w.g.

(b) The pressure drop for the scrubber shall be greater than 0.5 inches and less than 6.0 inches w.g.

(c) The total solution flow rate through the scrubbing system shall be a minimum of 2.4 gph (gallons per hour).

**VII. ADDITIONAL REQUIREMENTS.****# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source contains the following asphalt emulsion mixers: Mixer No. 90, 93, 95, 96.

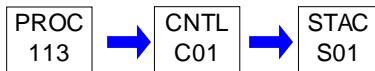
**SECTION D. Source Level Requirements**

Source ID: 113

Source Name: MIXING TANKS

Source Capacity/Throughput:

N/A

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall limit VOC emissions from this source to 1.0 ton per year on a 12 consecutive month period.

[Compliance with this streamlined condition assures compliance with 25 Pa. Code §§ 129.91-129.95 and RACT Operating Permit OP-15-0031 Condition 6 (d).]

**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.**

# 003 [25 Pa. Code §129.91]

**Control of major sources of NOx and VOCs**

The company shall calculate VOC emissions rates from these sources based on mutual throughput on a 12 consecutive month period.

**IV. RECORDKEEPING REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall maintain sufficient records demonstrating compliance with the particulate matter emission limit for this source.

# 005 [25 Pa. Code §129.91]

**Control of major sources of NOx and VOCs**

The permittee shall maintain calculations which demonstrate compliance with the VOC emission limits for this source.

**V. REPORTING REQUIREMENTS.**

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

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

The permittee shall keep covers of the mixing tanks closed at all times except when loading or during periods when testing, visual evaluation, monitoring or maintenance is being performed that requires the cover to not be in place.

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

This source contains three (3) mixing tanks: Mixer #7, Mixer #12, and Mixer #13.

**SECTION D. Source Level Requirements**

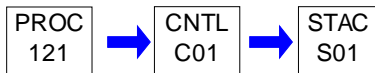
Source ID: 121

Source Name: LIMESTONE STORAGE BIN

Source Capacity/Throughput:

40.000 Tons/HR

LIMESTONE

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

**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 maintain sufficient records demonstrating compliance with the particulate matter emission limit for this source.

**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).

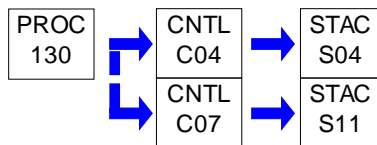
**SECTION D. Source Level Requirements**

Source ID: 130

Source Name: CHEMICAL EMULSION PLANT

Source Capacity/Throughput:

N/A

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall monitor the pressure drop across the baghouse for this source on a weekly basis, when in operation.

**IV. RECORDKEEPING REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall maintain weekly records of the pressure drop across the baghouse for this source.

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall keep records of the following for each control device on this source, when in operation:

- (a) Inspections performed
- (b) Maintenance performed
- (c) Any deficiencies
- (d) Any corrective actions taken.

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall maintain sufficient records demonstrating compliance with the particulate matter emission limit for this source.

**V. REPORTING REQUIREMENTS.**

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

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

The permittee shall vent emissions from Mixer 66 (Process Tank Baltimore) to the odor control system.

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

The permittee shall control particulate matter emissions from Mixing Tank 64 and Mixing Tank 69 by exhausting emissions to the Chemical Emulsion Plant Torit Dust Collector (C04). The remaining mixing tanks do not have powders added to them.

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

The permittee shall maintain a pressure drop range of 0.5 inches to 8.0 inches w.g. for the baghouse associated with this source.

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

The permittee shall implement an inspection and maintenance program for the control device(s) on this source.

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

The permittee shall keep on hand a sufficient quantity of spare fabric cartridges for the fabric collector associated with this source in order to be able to immediately replace any cartridges requiring replacement due to deterioration resulting from routine operation of the source and fabric collector.

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

This source contains the following mixers: Mixer No. 64, 66, 69. Mixer No. 60, 61, 62, 63, 65, 67, 68, 70, 71, 73, 72 operate as part of the chemical emulsion plant but do not use powders and do not vent to a control device.

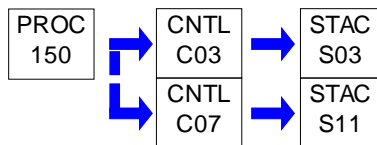


**SECTION D. Source Level Requirements**

Source ID: 150

Source Name: CLAY EMULSION PLANT

Source Capacity/Throughput: 1,800.000 Th Gal/HR ASPHALT-B-EMULS

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall limit particulate matter emissions from the clay emulsion plant to 0.005 lbs/hr.

[Compliance with this condition assures compliance with streamlined condition 25 Pa. Code § 123.13(c)(1)(i)]

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall limit the VOC emissions from this source to 1.50 tons per year, based on a 12-month rolling period.

[Compliance with this streamlined condition assures compliance with 25 Pa. Code §§ 129.91-129.95 and RACT Operating Permit OP-15-0031 Condition 6 (d).]

**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.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall calculate the VOC emission rate based on solvent throughput on a 12-month rolling period.

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall monitor the pressure drop across the baghouse for this source on a weekly basis, when in operation.

**IV. RECORDKEEPING REQUIREMENTS.**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall maintain records demonstrating compliance with the particulate matter emission limit for this source.

# 006 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall maintain calculations which demonstrate compliance with the VOC emission limit for this source.

# 007 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall maintain weekly records of the pressure drop across the baghouse for this source.

**SECTION D. Source Level Requirements****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep records of the following for each control device on this source, when in operation:

- (a) Inspections performed
- (b) Maintenance performed
- (c) Any deficiencies
- (d) Any corrective actions taken.

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

The permittee shall perform the following work practice standards for the clay emulsion plant and the associated control device:

- (a) The manual baghouse cleaning in the clay emulsion plant shall be carried out at least once per week, when in operation, and shall be recorded when completed. A monthly logbook shall be kept for this source and control equipment.
- (b) During the period of time when the fabric bags in the fabric collector(s) associated with this source are being shaken, the clay emulsion plant may not operate.
- (c) The permittee shall minimize any fugitive emissions from the process operations in the clay emulsion plant by closing covers over process mixers at any time the collection system is not in operation, such as periods of loading, testing, visual evaluation, monitoring, or maintenance.

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

The permittee shall implement an inspection and maintenance program for the control device(s) on this source.

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

The permittee shall maintain a pressure drop range of 0.5 inches to 8.0 inches w.g. for the baghouse associated with this source.

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

(a) This source consists of the following:

- (1) Mixing Tanks Nos. 83, 84, 86, 87, and 88.
- (2) One (1) tankhood station No. 83.
- (3) One (1) tankhood station No. 84.
- (4) Three (3) bag opening stations Nos. 86, 87, and 88.

(b) Emissions from tankhood station No. 84 and the three (3) bag opening stations (Nos. 86, 87, and 88) are vented to the clay emulsion plant torit dust collector (Source ID C03) during loading.

(c) Emissions from tankhood station No. 83 are vented to the odor control system (Source ID C07) during loading.

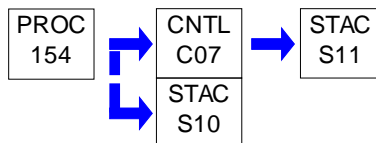
**SECTION D. Source Level Requirements**

Source ID: 154

Source Name: TANK FARM

Source Capacity/Throughput:

N/A

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall limit VOC emissions from this source 1.50 tons per year on a 12 consecutive month period.

[Compliance with this streamlined condition assures compliance with 25 Pa. Code §§ 129.91-129.95 and RACT Operating Permit OP-15-0031 Condition 6 (d).]

**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 §129.91]

**Control of major sources of NOx and VOCs**

The company shall calculate VOC emissions rates from these sources based on mutual throughput on a 12 consecutive month period.

**IV. RECORDKEEPING REQUIREMENTS.**

# 003 [25 Pa. Code §129.91]

**Control of major sources of NOx and VOCs**

The permittee shall maintain calculations which demonstrate compliance with the VOC emission limits for this source.

**V. REPORTING REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall report to the Department within 7 days any additions or subtractions to the odor control unit based on operational changes at the facility.

**VI. WORK PRACTICE REQUIREMENTS.**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall vent emissions from four (4) storage tanks (Storage Tank 5, 32, 33, and 34) to the odor control system.

**VII. ADDITIONAL REQUIREMENTS.**

# 006 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

This Tank Farm contains the following storage tanks (tank ID number, material, and size):

**SECTION D. Source Level Requirements**

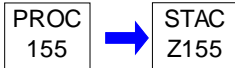
- #1 - Cutback (20,000 gallons)
- #2 - Cutback (20,000 gallons)
- #3 - Cutback (20,000 gallons)
- #4 - Cutback (20,000 gallons)
- #5 - Asphalt (15,000 gallons)
- #12 - Asphalt (10,000 gallons)
- #13 - Asphalt (10,000 gallons)
- #14 - Asphalt (10,000 gallons)
- #15 - Asphalt (10,000 gallons)
- #16 - Asphalt (25,000 gallons)
- #17 - Wax (18,000 gallons)
- #18 - No. 2 Heating oil (18,000 gallons)
- #20 - Recycle Tank (8,000 gallons)
- #21 - Cutback (30,000 gallons)
- #22 - Cutback (30,000 gallons)
- #23 - Solvent Tank (30,000 gallons)
- #24 - Cutback (30,000 gallons)
- #25 - Solvent Tank (30,000 gallons)
- #26 - Solvent Tank (30,000 gallons)
- #32 - Asphalt (20,000 gallons)
- #33 - Asphalt (20,000 gallons)
- #34 - Asphalt (20,000 gallons)
- #35 - Water (18,000 gallons)
- #36 - Water (18,000 gallons)
- #38 - Asphalt (12,000 gallons)
- #74 - Wax (14,500 gallons)

**SECTION D. Source Level Requirements**

Source ID: 155

Source Name: PROCESS PIPING EQUIPMENT

Source Capacity/Throughput:

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

The permittee shall limit VOC emissions from this source 1.49 tons per year on a 12 consecutive month period.

[Compliance with this streamlined condition assures compliance with 25 Pa. Code §§ 129.91-129.95 and RACT Operating Permit OP-15-0031 Condition 6 (d).]

**# 002 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

The permittee shall maintain calculations which demonstrate compliance with the VOC emission limits for 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.****# 003 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

The company shall calculate VOC emissions rates from these sources based on mutual throughput on a 12 consecutive month period.

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

This source contains various pump seals, flanges, connectors, and valves associated with process piping for the storage tanks to and from the mixers.

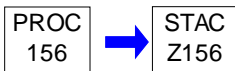
**SECTION D. Source Level Requirements**

Source ID: 156

Source Name: TANK #11

Source Capacity/Throughput:

N/A

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

The permittee shall keep covers of the mixing tanks closed at all times except when loading or during periods when testing, visual evaluation, monitoring or maintenance is being performed that requires the cover to not be in place.

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

The permittee shall limit VOC emissions from this source 1.50 ton per year on a 12 consecutive month period.

[Compliance with this streamlined condition assures compliance with 25 Pa. Code §§ 129.91-129.95 and RACT Operating Permit OP-15-0031 Condition 6 (d).]

**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.****# 003 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

The company shall calculate VOC emissions rates from these sources based on mutual throughput on a 12 consecutive month period.

**IV. RECORDKEEPING REQUIREMENTS.****# 004 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

The permittee shall maintain calculations which demonstrate compliance with the VOC emission limits for this source.

**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).

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

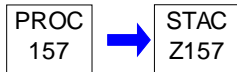
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**SECTION D. Source Level Requirements**

Source ID: 157

Source Name: PARTS WASHER

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

The permittee shall perform the following recordkeeping for the immersion cold cleaning machine:

(a) The permittee shall maintain records and provide to the Department, on request, the information specified below, pursuant to 25 Pa. Code § 129.63(a)(6):

- (1) The name and address of the solvent supplier.
- (2) The type of solvent including the product or vendor identification number.
- (3) The vapor pressure of the solvent measured in mm Hg at 20°C (68°F).

(b) An invoice, bill of sale, certificate that corresponds to a number of sales, Safety Data Sheet (SDS), or other appropriate documentation acceptable to the Department may be used to comply with this condition.

**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 §129.63]****Degreasing operations**

The permittee shall perform the following work practice standards for the parts washer:

(a) The immersion cold cleaning machine shall have a freeboard ratio of 0.50 or greater, pursuant to 25 Pa. Code § 129.63(a)(1).

(b) The immersion cold cleaning machine shall have a permanent, conspicuous label summarizing the operating requirements contained in this permit for this source, pursuant to 25 Pa. Code § 129.63(a)(2)(i).

(c) The immersion cold cleaning machine shall be equipped with a cover that shall be closed at all times except during



**SECTION D. Source Level Requirements**

cleaning of parts or the addition or removal of solvent, pursuant to 25 Pa. Code § 129.63(a)(2)(ii).

**# 003 [25 Pa. Code §129.63]****Degreasing operations**

The permittee shall perform the following work practice standards for the parts washer:

(a) The permittee shall ensure the following discretionary good operating practices, pursuant to 25 Pa. Code § 129.63(a)(2)(i)(A)-(C):

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

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

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

(b) The permittee shall operate the cold cleaning machines in accordance with the following procedures, pursuant to 25 Pa. Code § 129.63(a)(3):

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

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

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

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

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

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

(a) A person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs, pursuant to 25 Pa. Code § 129.63(a)(4),

OR

(b) The permittee shall maintain a freeboard ratio equal to or greater than 0.75 for the immersion cold cleaning machine, pursuant to 25 Pa. Code § 129.63(a)(7)(iii).

**VII. ADDITIONAL REQUIREMENTS.****# 005 [25 Pa. Code §121.1 A - L]****Definitions.**

For an immersion cold cleaning machine, the freeboard ratio is defined as the distance from the liquid solvent in the idling mode to the top edge of the cleaning machine divided by the smaller dimension of the cleaning machine, as found in 25 Pa. Code § 121.1.

**SECTION D. Source Level Requirements**

Source ID: 158

Source Name: TRUCK UNLOADING

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

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

The permittee shall vent emissions from the two (2) MONAR tanker unloading points to the odor control system.

**VII. ADDITIONAL REQUIREMENTS.**

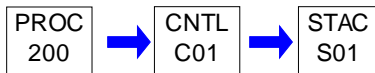
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**SECTION D. Source Level Requirements**

Source ID: 200

Source Name: SEVEN (7) MIXERS

Source Capacity/Throughput: 14,000.000 Gal/HR COATING MATERIAL

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

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

The permittee shall limit the aggregate VOC emissions from each unit contained in this source ID to less than 16.30 tons per year, based on a 12-month rolling sum.

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

The permittee shall restrict the amount of production from the Seven (7) Mixers to 7,581,395 pounds per 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.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall monitor the following on a monthly basis:

- (a) The amount of production from the Seven (7) Mixers, in pounds.
- (b) The amount of VOC released during operation of the Seven (7) Mixers.

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

The permittee shall maintain sufficient records demonstrating compliance with the Particulate Matter emission limit for this source.

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

The permittee shall record the following on a monthly basis and as a 12-month rolling sum:

- (a) The amount of production from the Seven (7) Mixers, in pounds.

**SECTION D. Source Level Requirements**

(b) The amount of VOC released during operation of the Seven (7) Mixers.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall keep covers of the mixing tanks closed at all times except when loading or during periods when testing, visual evaluation, monitoring or maintenance is being performed that requires the cover to not be in place.

**VII. ADDITIONAL REQUIREMENTS.**

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

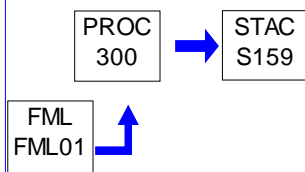
Source ID 200 contains Ribbon Blenders #1-4, 6, and 9, and Mixer #5.

**SECTION D. Source Level Requirements**

Source ID: 300

Source Name: EMERGENCY GENERATOR

Source Capacity/Throughput: 719.000 CF/HR Natural Gas

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

# 002 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 ppmvd.

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall limit the aggregate NO<sub>x</sub> emissions from all exempt engines on site to less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tons per year on a 12-month rolling basis.

**Fuel Restriction(s).**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall fire this source by natural gas only.

**Operation Hours Restriction(s).**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall limit the hours of operation of this emergency generator to 500 hours per year, based on a 12-month rolling sum.

**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.**

# 006 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

(a) The permittee shall monitor the amount and type of fuel consumed by this source on a monthly basis.

(b) The permittee shall monitor the hours of operation of this source on a monthly basis.

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

(a) The permittee shall maintain monthly records of the amount and type of fuel consumed by this source.

(b) The permittee shall maintain monthly records of the hours of operation of this source.

**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**The permittee shall maintain potential to emit calculations for criteria pollutant emissions (NO<sub>x</sub>, CO, PM, SO<sub>x</sub>, VOC) based on hours of operation and amount and type of fuel consumed.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**The permittee shall maintain records of the aggregate NO<sub>x</sub> emissions from all exempt engines on site including pounds per hour, pounds per day, ozone season (i.e., the period from May 1 through September 30 of each year) sums, and 12-month rolling sums to demonstrate compliance with the NO<sub>x</sub> emission limits applicable to this source.**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.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source contains one emergency generator fired by natural gas rated at 60 kW (88 hp), and is exempt from Plan Approval requirements according to RFD No. 287.

**SECTION D. Source Level Requirements**

Source ID: C01

Source Name: PANGBORN BAGHOUSE

Source Capacity/Throughput:

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.****# 001 [25 Pa. Code §127.411]****Content of applications.**

(a) The permittee shall use pressure gauges to measure pressure drop for the baghouse.

(b) The permittee shall use USEPA Test Method 22 to determine visible emissions occurring and USEPA Test Method 9 to measure opacity occurring at the baghouse.

**# 002 [25 Pa. Code §127.411]****Content of applications.**

The permittee shall use pressure drop and opacity to obtain data and monitor the baghouse performance.

**# 003 [25 Pa. Code §127.411]****Content of applications.**

The permittee shall conduct pressure drop monitoring and visible emission monitoring on a daily basis for the baghouse.

**IV. RECORDKEEPING REQUIREMENTS.****# 004 [25 Pa. Code §127.411]****Content of applications.**

(a) The permittee shall record baghouse pressure drop readings daily using manual log entries based on gauge readings.

(b) The permittee shall record visible emission readings daily using manual log entries of US EPA Method 22 observations.

(c) If visible emissions are determined, the permittee shall record opacity readings daily using manual log entries of US EPA Method 9 observations.

**# 005 [25 Pa. Code §127.411]****Content of applications.**

(a) The permittee shall record all inspections, repairs, and maintenance performed on the monitoring equipment associated with this source.

(b) The permittee shall maintain records of all monitoring downtime incidents. The permittee shall also record the dates, times and durations, possible causes and corrective actions taken for the incidents.

**V. REPORTING REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 006 [25 Pa. Code §127.411]****Content of applications.**

The permittee shall maintain all monitoring equipment and stock parts necessary for routine repairs onsite.

**# 007 [25 Pa. Code §127.411]****Content of applications.**

The permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the control device, such as the following:

- (a) The permittee shall install gauges and meters at locations approved by the Department for obtaining data that are representative of the monitored indicator.
- (b) The permittee shall develop verification procedures to confirm the operational status of new or modified monitoring equipment prior to commencement of the monitoring process, such as compare pressure gauge at a controlled pressure to that of a pressure of a known accuracy.
- (c) The permittee shall calibrate and check the accuracy of monitoring equipment, taking into account the manufacturer's specifications, on a monthly basis.

**# 008 [25 Pa. Code §127.411]****Content of applications.**

The permittee shall ensure that at least 90% of the monitoring data has been properly and accurately collected.

**# 009 [25 Pa. Code §127.411]****Content of applications.**

The permittee shall maintain a pressure drop range of 0.5 inches to 8.0 inches w.g. for this baghouse.

**VII. ADDITIONAL REQUIREMENTS.****# 010 [25 Pa. Code §127.411]****Content of applications.**

The Pangborn Baghouse controls particulate matter emissions from Source ID 113 (Mixing Tanks), Source ID 121 (Limestone Storage Bin), and Source ID 200 (Seven Mixers).



**SECTION D. Source Level Requirements**

Source ID: C07

Source Name: ODOR CONTROL SYSTEM

Source Capacity/Throughput:

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

- (a) The permittee shall monitor the inlet air temperature to the odor control system on a weekly basis.
- (b) The permittee shall maintain weekly records of the air temperature at the carbon bed adsorber.

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

- (a) The permittee shall monitor the pressure drop across the fiber filter bed on a weekly basis.
- (b) The permittee shall monitor the pressure drop across the carbon adsorber on a weekly basis.

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

The permittee shall monitor the control device on a weekly basis in order to check for breakthrough, using a Department approved method.

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

- (a) The permittee shall maintain weekly records of the pressure drop for the fiber filter bed.
- (b) The permittee shall maintain weekly records of the pressure drop for the carbon adsorber.

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

The permittee shall keep records of the following for this odor control device:

- (a) Inspections performed
- (b) Maintenance performed
- (c) Any deficiencies
- (d) Any corrective actions taken

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

The permittee shall maintain records of breakthrough monitoring of the control device on a weekly basis.

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

- (a) The permittee shall maintain weekly records of the inlet air temperature to the odor control system.
- (b) The permittee shall maintain weekly records of the air temperature at the carbon bed adsorber.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall dispose of the spent filters and carbon off-site.

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The permittee shall maintain the pressure drop across the fiber filter bed between 1-12" w.c.

(b) The permittee shall maintain the pressure drop across the carbon beds between 5-20" w.c.

**# 010 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The permittee shall keep on hand a sufficient quantity of spare filter cartridges for the filter bed in order to be able to immediately replace any cartridges requiring replacement due to deterioration resulting from routine operation of the odor control system.

(b) The permittee shall keep on hand a sufficient quantity of spare carbon for the carbon adsorption unit in order to be able to immediately replace any modules of carbon requiring replacement due to deterioration resulting from routine operation of the odor control system.

**# 011 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall implement an inspection and maintenance program for the odor control system.

**# 012 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall maintain and operate this source in accordance with manufacturer's specifications and good engineering practices.

**# 013 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall replace the carbon beds once breakthrough has been determined.

**# 014 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall cool the inlet air to the odor control system by air dilution to less than 120 °F.

**VII. ADDITIONAL REQUIREMENTS.**

**# 015 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The odor control system consists of a fiber bed filter and carbon adsorption.

**# 016 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The following sources are vented to the odor control system:

- (a) Mixer 66 (Process Tank Baltimore) of the Chemical Emulsion Plant (Source ID 130)
- (b) Tankhood Station No. 83 (during loading) of the Clay Emulsion Plant (Source ID 150)
- (c) Storage Tank 5, 32, 33, and 34 of the Tank Farm (Source ID 154)
- (d) Two (2) tanker unloading points of Truck Unloading (Source ID 158)

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 1

Group Description: Combustion Units

Sources included in this group

ID	Name
036	CU'S 2.5 MMBTU OR LESS
037	CU'S MORE THAN 2.5 MMBTU

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.22]****Combustion units**

A person may not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit in excess of 1.2 pounds per million Btu of heat input, in accordance with 25 Pa. Code § 123.22(e)(1).

**Fuel Restriction(s).****# 002 [25 Pa. Code §123.22]****Combustion units**

(a) A person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 15 ppm or 0.0015% by weight for No. 2 fuel oil by weight sulfur content, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

(b) For Number 2 Fuel oil ONLY: Commercial fuel oil that was stored in the Commonwealth by the ultimate consumer:

1. Prior to July 1, 2016 which met the applicable maximum allowable sulfur content for commercial fuel oil through June 30, 2016 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after July 1, 2016.

2. Prior to September 1, 2020 which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after September 1, 2020.

[Compliance with this condition assures compliance with the sulfur emission rate of 1.2 lb SO<sub>2</sub>/MMBtu as found in 25 Pa. Code § 123.22(e)(1) for the outer zone, while firing No. 2 fuel oil.]

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

The permittee shall monitor the fuel usage or hours of operation from each boiler of this source group so that emissions of criteria pollutants can be determined.

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

If the permittee accepts fuel oil for the boilers associated with this source, the permittee shall keep records of the fuel supplier certification that shall include the following information for each delivery of distillate oil:

- The date of the sale or transfer.
- The name and address of the transferor.
- The name and address of the transferee.

**SECTION E. Source Group Restrictions.**

- (d) The volume of commercial fuel oil being sold or transferred.
- (e) The identification of the sulfur content of the shipment of commercial fuel oil.

**IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §123.22]****Combustion units**

The permittee shall maintain in electronic or paper format the record provided by the transferor for the shipment of commercial fuel oil as it changed hands to the permittee (ultimate consumer). This record must legibly and conspicuously contain the following information, in accordance with 25 Pa. Code § 123.22(g)(1) and (5):

- (a) The date of the sale or transfer.
- (b) The name and address of the transferor.
- (c) The name and address of the transferee.
- (d) The volume of commercial fuel oil being sold or transferred.
- (e) The identification of the sulfur content of the shipment of commercial fuel oil, determined using the sampling and testing methods specified in 25 Pa. Code § 123.22(f)(1) and § 139.16, expressed as one of the following statements:
  - a. For a shipment of No. 2 and lighter commercial fuel oil:
    - i. Prior to September 1, 2020 - "The sulfur content of this shipment is 500 ppm or below."
    - ii. On and after September 1, 2020 - "The sulfur content of this shipment is 15 ppm or below."
- (f) The location of the commercial fuel oil at the time of transfer.

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

- (a) The permittee shall record the fuel usage or hours of operation from each boiler of this source group so that emissions of criteria pollutants can be determined.
- (b) The permittee shall record the following on a monthly basis and as a 12-month rolling sum: NO<sub>x</sub>, CO, VOC, PM, SO<sub>x</sub>, and HAP.

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]****SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****Are any boilers not subject to this subpart?**

The permittee shall document daily use of No. 2 fuel oil and the reason for using No. 2 fuel oil.

**V. REPORTING REQUIREMENTS.****# 008 [25 Pa. Code §123.22]****Combustion units**

The permittee shall provide an electronic or written copy of the commercial fuel oil shipment record to the Department upon request, in accordance with 25 Pa. Code § 123.22(g)(4)(ii).

**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.****# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]****SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****Are any boilers not subject to this subpart?**

[Additional authority for this condition is also derived from 40 CFR § 63.11237]

**SECTION E. Source Group Restrictions.**

(a) Pursuant 40 CFR § 63.11195, each dual fuel-fired (e.g., No. 2 fuel oil and natural gas) boiler of this source group is exempted from the regulatory requirements of 40 CFR 63, Subpart JJJJJ, as an affected source in the category of "gas-fired boiler".

(b) A "gas-fired boiler" includes any boiler that burns gaseous fuels not combined with any solid fuels, burns liquid fuel only during periods of gas curtailment, gas supply emergencies, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

(1) "Performance testing" means the collection of data resulting from the execution of a test method used (either by stack testing or fuel analysis) to demonstrate compliance with a relevant emission standard.

(2) A "period of gas curtailment or supply interruption" means a period of time during which the supply of gaseous fuel to an affected boiler is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under the control of a facility for the purposes of this definition. An increase in the cost or unit price of natural gas due to normal market fluctuations not during periods of supplier delivery restriction does not constitute a period of natural gas curtailment or supply interruption. Onsite gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the control of the facility.

(c) If a boiler is operated in such a manner that it is no longer meets the definition of a "gas-fired boiler", it must then comply with the applicable requirements of 40 C.F.R. 63, Subpart JJJJJ.



**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor			
036	CU'S 2.5 MMBTU OR LESS			
<b>Emission Limit</b>				<b>Pollutant</b>
1.200	Lbs/MMBTU			SOX
037	CU'S MORE THAN 2.5 MMBTU			
<b>Emission Limit</b>				<b>Pollutant</b>
1.200	Lbs/MMBTU			SOX
0.400	Lbs/MMBTU			TSP
105	ASPHALT EMULSION			
<b>Emission Limit</b>				<b>Pollutant</b>
0.040	gr/DRY FT3			PM10
1.500	Tons/Yr	12-month rolling sum		VOC
113	MIXING TANKS			
<b>Emission Limit</b>				<b>Pollutant</b>
1.000	Tons/Yr	12-month rolling sum		VOC
150	CLAY EMULSION PLANT			
<b>Emission Limit</b>				<b>Pollutant</b>
1.500	Tons/Yr	12-month rolling sum		VOC
154	TANK FARM			
<b>Emission Limit</b>				<b>Pollutant</b>
1.500	Tons/Yr	12-month rolling sum		VOC
155	PROCESS PIPING EQUIPMENT			
<b>Emission Limit</b>				<b>Pollutant</b>
1.490	Tons/Yr	12-month rolling sum		VOC
156	TANK #11			
<b>Emission Limit</b>				<b>Pollutant</b>
1.500	Tons/Yr	12-month rolling sum		VOC
200	SEVEN (7) MIXERS			
<b>Emission Limit</b>				<b>Pollutant</b>
0.040	gr/DRY FT3			PM10
16.300	Tons/Yr	Determined on a 12-month rolling period		VOC
300	EMERGENCY GENERATOR			
<b>Emission Limit</b>				<b>Pollutant</b>
2.750	Tons/Yr	ozone season		NOX
6.600	Tons/Yr	12-month rolling sum		NOX
100.000	Lbs/Hr			NOX
1,000.000	Lbs/Day			NOX



**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
0.040	gr/DRY FT3		PM10
500.000	PPMV	Determined on a dry volume basis	SOX

**Site Emission Restriction Summary**

Emission Limit		Pollutant
24.900 Tons/Yr	Determined on a 12-month rolling basis	VOC



**SECTION H. Miscellaneous.**

(a) Certain terms and conditions in this Synthetic Minor Operating Permit (APS ID 567422; AUTH ID 1172605) have been derived from the previously issued plan approvals, operating permits, and Requests for Determination (RFD):

- (1) 15-309-002: Tar Emulsion Plant and Fabric Collector (Source ID 105 and Control Devices C02 and C05)
- (2) 15-313-030A: Clay Emulsion Plant and Torit Dust Collector (Source ID 150 and Control Device C03)
- (3) OP-15-0031: RACT Permit - Mixers, Process Piping, Combustion Units, and Storage Tanks
- (4) Plan approval No. 15-0031A for Odor Control System (Source ID C07)
- (5) Title V Operating Permit No. 15-00031
- (6) RFD No. 220 - Source ID 150 Clay Emulsion Plant allowed to process VOC; VOC emission limit applicable; Source ID 122 Mixer 88 removed as Source ID, remains apart of Clay Emulsion Plant - Resulted in Minor Modification APS 567422 / AUTH ID 706904 (see (f) above).
- (7) RFD No. 230 - Source ID 201 Mixer 15, a 500-gallon mixing tank, appears as an insignificant source of emissions in Section G as (b)(18) Mixer 15; potential VOC emissions are 0.13 tpy.
- (8) RFD No. 287 - Source ID 300 (Exempt Generator) is a natural gas emergency generator rated at 60 kW (88 hp) and has been added to the permit. The source is exempt from plan approval requirements based on NOx emissions less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tons per year, based on 500 operating hours per year. Associated monitoring and recordkeeping requirements apply at the source.
- (9) A new 6.3 MMBtu/hr natural gas boiler has been installed at the facility, under auto-exemption, RFD No. 3044, received July 5, 2012 and added as (b)(19) above. The new boiler replaces operation of the old F&T Boiler which is still in place but has been decommissioned as of November 2011.

(b) The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements, in Section C, of this permit, do not require additional limitations, monitoring, or recordkeeping:

- (1) Air Stripper - 1
- (2) Air Stripper - 2
- (3) Label Machines
- (4) Maintenance Tool Cleaning
- (5) Paint Spray Booth
- (6) Quality Control Testing
- (7) Research & Development - Main Building
- (8) Research & Development - Bldg. #3
- (9) Source 106 - Sand Silo w/ Dust Filter (Source ID C06)
- (10) Source 109 - Fluffer #1
- (11) Source 112 - Fluffer #2
- (12) Source 117 - Fluffer #3
- (13) Source 120 - Fluffer #4
- (14) Mixer 15 - RFD No. 230 - 500-gallon mixing tank, VOC emissions 0.13 tpy
- (15) 1,000 gallon propane tank (maintenance building)

July 2024

This permit is the NMOP renewal permit (1426747; APS 567422). The following items have been addressed with the issuance of the renewal permit:

- 1) Source IDs 036 and 037 conditions are now grouped and appears in Section E, Group 1
  - 2) The following changes to source level emissions restrictions:
- | Sources | Old Source Limits | New Limits |
|---------|-------------------|------------|
|---------|-------------------|------------|



**SECTION H. Miscellaneous.**

	(TPY)	(TPY)
Asphalt Emulsion	2.7	1.50
Mixing Tanks	2.7	1.00
Clay Emulsion Plant	2.7	1.50
Tank Farm	2.7	1.50
Process Piping Equipment	2.7	1.49
Tank 11	2.7	1.50
Asphalt Cutback	20	16.30

To incorporate the new limits into the permit, the conditions below were added with this permit renewal

Section D, Source ID 105 Condition #002:

The permittee shall not permit VOC emissions from this source in excess of 1.5 tons on a 12-month rolling basis.

Section D, Source ID 113 Condition #002:

The permittee shall limit VOC emissions from this source to 1.0 ton per year on a 12 consecutive month period.

[Compliance with this streamlined condition assures compliance with 25 Pa. Code §§ 129.91-129.95 and RACT Operating Permit OP-15-0031 Condition 6 (d).]

Section D, Source IDs 150 and 154 Condition #002 and Source ID 154 Condition #001:

The permittee shall limit the VOC emissions from this source to 1.50 tons per year, based on a 12-month rolling period.

[Compliance with this streamlined condition assures compliance with 25 Pa. Code §§ 129.91-129.95 and RACT Operating Permit OP-15-0031 Condition 6 (d).]

Section D, Source ID 155 Condition #001:

The permittee shall limit VOC emissions from this source 1.49 tons per year on a 12 consecutive month period.

[Compliance with this streamlined condition assures compliance with 25 Pa. Code §§ 129.91-129.95 and RACT Operating Permit OP-15-0031 Condition 6 (d).]

Section D, Source ID 200 Condition #002:

The permittee shall limit the aggregate VOC emissions from each unit contained in this source ID to less than 16.30 tons per year, based on a 12-month rolling sum.

3) RFD # 9039 was approved to allow the production of MZ080 at Source ID 105. The RFD allows the use of Aromatic 100, a VOC containing solvent.

4) On January 1, 2024, DEP approved a reduction in frequency of monitoring for malodor, fugitive and visible emissions as required by Condition #011 Section C from daily to a minimum of once per week. The Department reserves the right to change the monitoring requirements at any time, based on, but not limited to: the review of the compliance certification and the semi-annual report of monitoring and recordkeeping, complaints, monitoring results, and/or other Department findings.



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

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