



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: September 28, 2001 Effective Date: December 15, 2005
Revision Date: December 15, 2005 Expiration Date: October 31, 2006
Revision Type: Amendment

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

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

[TITLE V Permit No: 09-00039](#)

Federal Tax Id - Plant Code: 20-0837505-1

Owner Information

Name: BMCA QUAKERTOWN INC
Mailing Address: 60 PACIFIC DR
QUAKERTOWN, PA 18951

Plant Information

Plant: GAF MATERIALS CORP/QUAKERTOWN
Location: 09 Bucks County 09940 Richland Township
SIC Code: 2952 Manufacturing - Asphalt Felts And Coatings

Responsible Official

Name: JIM PHILLIPS
Title: PLANT MANAGER
Phone: (215) 529 - 4200

Permit Contact Person

Name: TODD NORTH
Title: PLANT ENGINEERING MANAGER
Phone: (215) 529 - 4224

[Signature] _____
FRANCINE B CARLINI, SOUTHEAST REGION AIR PROGRAM MANAGER



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SECTION A. Site Inventory List

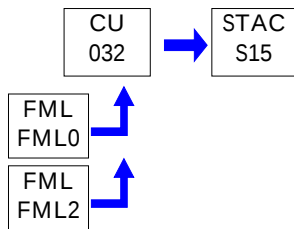
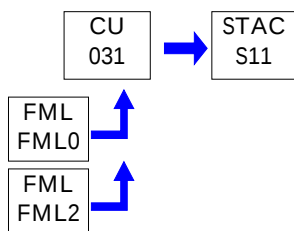
Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	SMALL BOILER AND HEATERS	3.500 MMBTU / HR	
		1,100.00 CF / HR	Natural Gas
		180.00 Gal / HR	#2 Oil
032	SATURANT ASPHALT HEATER	10.000 MMBTU / HR	
		10,000.00 CF / HR	Natural Gas
		73.00 Gal / HR	#2 Oil
033	FLUX ASPHALT HEATER	7.500 MMBTU / HR	
		7,500.00 CF / HR	Natural Gas
		54.74 Gal / HR	#2 Oil
034	COATING ASPHALT HEATER	4.500 MMBTU / HR	
		4,500.00 CF / HR	Natural Gas
		32.85 Gal / HR	#2 Oil
035	FILLER HOT OIL HEATER	3.500 MMBTU / HR	
		3,500.00 CF / HR	Natural Gas
		25.55 Gal / HR	#2 Oil
036	STEAM BOILER 1	5.200 MMBTU / HR	
		5,230.00 CF / HR	Natural Gas
		38.18 Gal / HR	#2 Oil
037	STEAM BOILER 2	5.200 MMBTU / HR	
		5,230.00 CF / HR	Natural Gas
		38.18 Gal / HR	#2 Oil
101	ASPHALT SATURATOR LINE (FELT)	10.00 Tons / HR	PRODUCT
102	EXISTING ASPHALT SATURATOR LINE (SHINGLE)	68.75 Tons / HR	PRODUCT
104	FELT COOLING AREA	10.00 Tons / HR	PRODUCT
106	NO. 2 FUEL OIL TANK		
107	3 WASTE OIL TANKS		
108	DIESEL FUEL TANK		
109	5 ASPHALT STORAGE TANKS		
111B	PARTS WASHER 1		
111C	PARTS WASHER 2		
112	AUXILIARY FIRE PUMP	8.03 Gal / HR	Diesel Fuel
114	FILLER PROCESSES		
115	BACK SURFACING PROCESSES		
116	GRANULE PROCESSES		
117	SHINGLE COATING	68.75 Tons / HR	PRODUCT
118	HORIZONTAL AND VERTICAL MIXERS	68.75 Tons / HR	PRODUCT
500	MISCELLANEOUS VOC SOURCES		
CD10	BACK SURFACING BIN VENT BAGHOUSE		
CD11	BACK SURFACING RECEIVING HOPPER BIN VENT F		
CD12	BACK SURFACING CARTRIDGE FILTER		
CD13	PLANT DUST COLLECTOR		
CD14	GRANULE SILO CARTRIDGE FILTER		
CD15A	EXISTING MONSANTO FILTER		
CD3	CVM MIST ELIMINATOR		
CD4	MIST ELIMINATOR		
CD5	MIST ELIMINATOR		
CD8	FILLER RECEIVING BIN VENT BAGHOUSE		
CD9	FILLER HEATER AND DISTRIB BIN FULLER BAGHO		
FML0	NATURAL GAS		

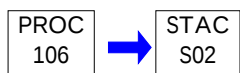
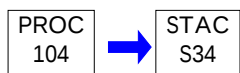
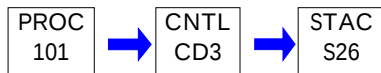
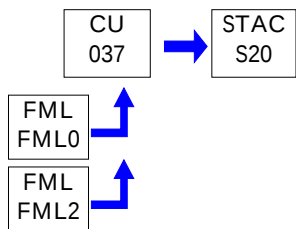
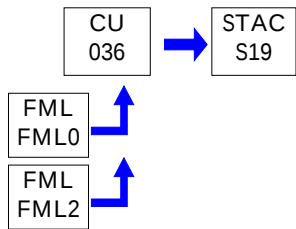
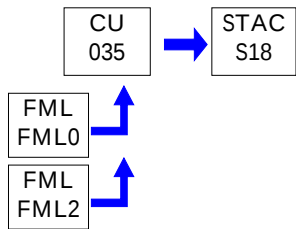
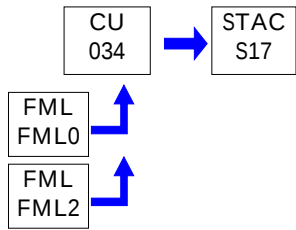
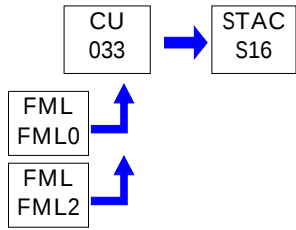


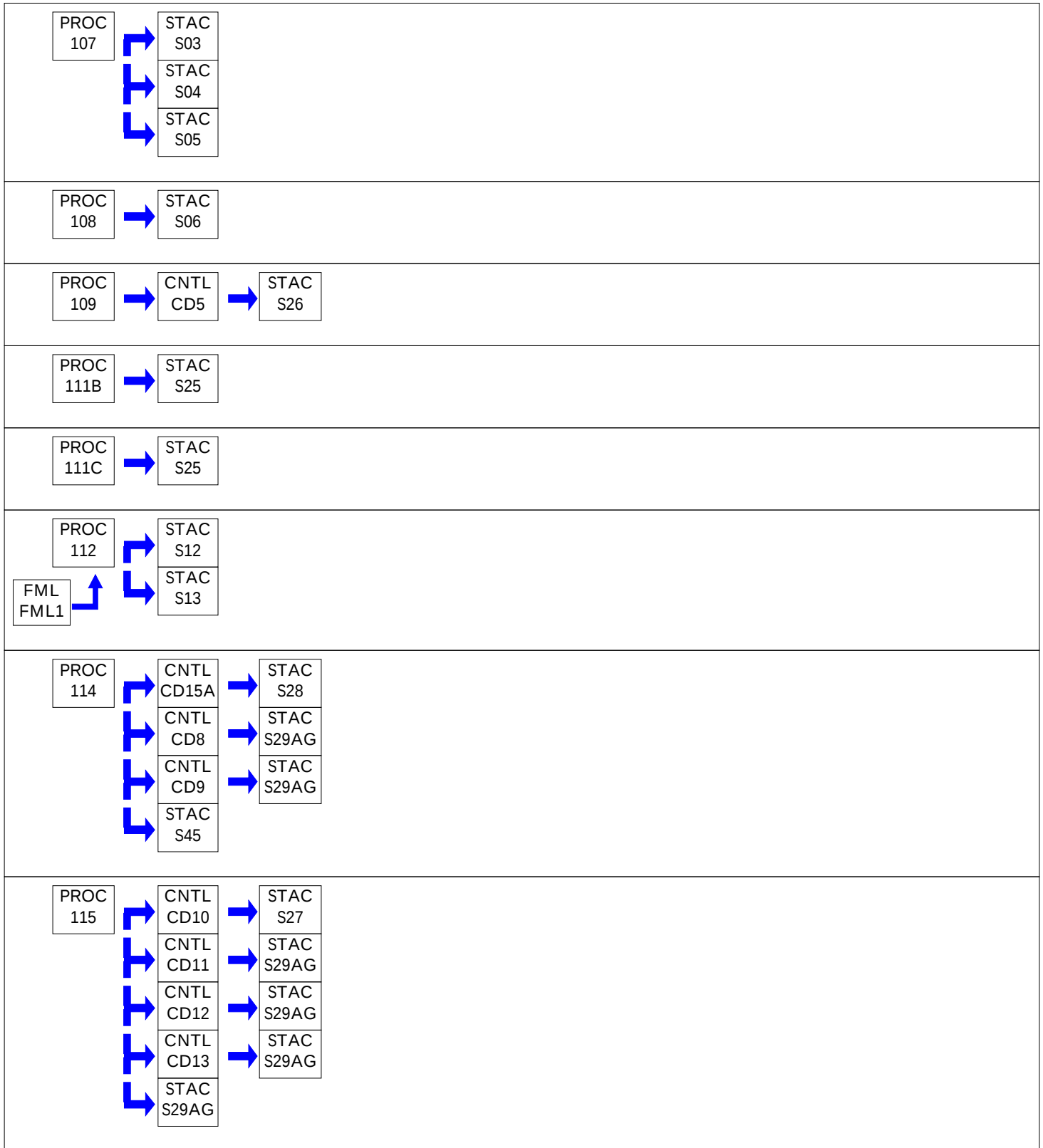
SECTION A. Site Inventory List

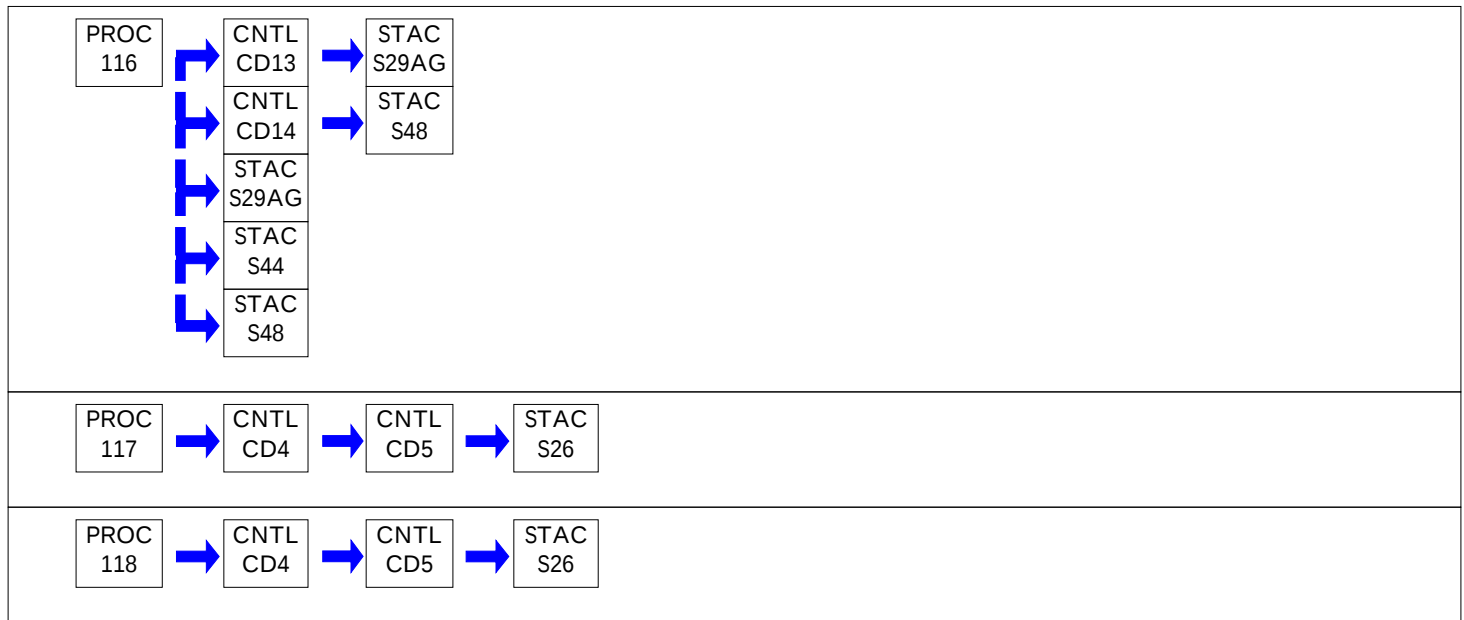
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FML2	NO.2 FUEL OIL	
S02	#106 STACK	
S03	#107 STACK (EP 3)	
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S05	#107 STACK (EP 5)	
S06	#108 STACK	
S11	#031 STACK	
S12	#112 STACK	
S13	#112 STACK	
S15	#032 STACK	
S16	#033 STACK	
S17	#034 STACK	
S18	#035 STACK	
S19	#036 STACK	
S20	#037 STACK	
S25	EP 25 A-I	
S26	EP 26	
S27	EP 27	
S28	EP 28	
S29AG	EP 29 A-G	
S34	#104 STACK	
S44	EP 44	
S45	EP 45	
S48	EP 48	

PERMIT MAPS









**SECTION B. General Title V Requirements**

#001 [25 Pa. Code § 121.1]

Definitions

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

#002 [25 Pa. Code § 127.512(c)(4)]

Property Rights

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

#003 [25 Pa. Code § 127.446(a) and (c)]

Permit Expiration

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

#004 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]

Permit Renewal

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

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term.

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

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

#005 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]

Transfer of Ownership or Operational Control

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

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

(2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,

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

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



SECTION B. General Title V Requirements

#006 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]

Inspection and Entry

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

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

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

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

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

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

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

#007 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]

Compliance Requirements

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

(1) Enforcement action

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

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

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit. 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 § 127.512(c)(2)]

Need to Halt or Reduce Activity Not a Defense

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

#009 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]

Duty to Provide Information

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

SECTION B. General Title V Requirements

determine compliance with the permit.

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

#010 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]

Reopening and Revising the Title V Permit for Cause

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

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

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

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

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

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

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

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

#011 [25 Pa. Code § 127.543]

Reopening a Title V Permit for Cause by EPA

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

#012 [25 Pa. Code § 127.541]

Significant Operating Permit Modifications

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541.

#013 [25 Pa. Code §§ 121.1 & 127.462]

Minor Operating Permit Modifications

(a) The permittee may make minor operating permit modifications (as defined in 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(b) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to an operational flexibility change authorized by 25 Pa. Code § 127.462.

**SECTION B. General Title V Requirements**

#014 [25 Pa. Code § 127.450]

Administrative Operating Permit Amendments

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code § 127.450(a), according to procedures specified in § 127.450. Administrative amendments are not authorized for any amendment precluded by the Clean Air Act or the regulations thereunder from being processed as an administrative amendment.

(b) Upon taking final action granting a request for an administrative permit amendment in accordance with § 127.450(c), the Department will allow coverage under 25 Pa. Code § 127.516 (relating to permit shield) for administrative permit amendments which meet the relevant requirements of 25 Pa. Code Article III, unless precluded by the Clean Air Act or the regulations thereunder.

#015 [25 Pa. Code § 127.512(b)]

Severability Clause

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

#016 [25 Pa. Code §§ 127.704, 127.705 & 127.707]

Fee Payment

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees).

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

(e) The permittee shall pay an annual operating permit administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.

(f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

#017 [25 Pa. Code §§ 127.14(b) & 127.449]

Authorization for De Minimis Emission Increases

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

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

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

SECTION B. General Title V Requirements

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code §

**SECTION B. General Title V Requirements**

127.516 (relating to permit shield) applies to de minimis emission increases and the installation of minor sources made pursuant to this permit condition.

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

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

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

#018 [25 Pa. Code §§ 127.11a & 127.215]

Reactivation of Sources

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

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

#019 [25 Pa. Code §§ 121.9 & 127.216]

Circumvention

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

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

#020 [25 Pa. Code §§ 127.402(d) & 127.513(1)]

Submissions

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

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

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

Air Enforcement Branch (3AP12)
United States Environmental Protection Agency
Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other

**SECTION B. General Title V Requirements**

certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

#021 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]

Sampling, Testing and Monitoring Procedures

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

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

#022 [25 Pa. Code §§ 127.511 & Chapter 135]

Recordkeeping Requirements

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

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

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

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

#023 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]

Reporting Requirements

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

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

SECTION B. General Title V Requirements

The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #020(c) of this permit.

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

#024 [25 Pa. Code § 127.513]

Compliance Certification

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

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

(b) The compliance certification should be postmarked or hand-delivered within thirty days of each anniversary date of the date of issuance or, of the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #020 of this section.

#025 [25 Pa. Code § 127.3]

Operational Flexibility

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

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

(b) Unless precluded by the Clean Air Act or the regulations adopted thereunder, the permit shield authorized under 25 Pa. Code § 127.516 shall extend to operational flexibility changes made at this Title V facility pursuant to this permit condition and other applicable operational flexibility terms and conditions of this permit.

#026 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]

Risk Management

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release

**SECTION B. General Title V Requirements**

program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

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

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

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

(e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

(1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #24 of Section B of this Title V permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

#027 [25 Pa. Code § 127.512(e)]

Approved Economic Incentives and Emission Trading Programs

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

#028 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]

Permit Shield

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

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

SECTION B. General Title V Requirements

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

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

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

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

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

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

(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department on minor or significant permit modifications, and operational flexibility changes shall be covered by the permit shield. Upon taking final action granting a request for an administrative permit amendment, the Department will allow coverage of the amendment by the permit shield in § 127.516 for administrative amendments which meet the relevant requirements of 25 Pa. Code Article III.

(d) The permit shield authorized under § 127.516 is in effect for the permit terms and conditions in this Title V permit, including administrative operating permit amendments and minor operating permit modifications.

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The permittee shall limit facility wide Volatile Organic Compound (VOC) emissions to 96.40 tons per twelve (12) month rolling period.

002 [25 Pa. Code §121.7]

Prohibition of air pollution.

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

003 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving, and maintenance of roads and streets.
- (c) 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.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Sources and classes of sources other than those identified in (a)-(e) above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollution; and
 - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

004 [25 Pa. Code §123.2]

Fugitive particulate matter

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

005 [25 Pa. Code §123.31]

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 is being operated.

006 [25 Pa. Code §123.41]

Limitations

- (a) The following opacity limitations apply to all sources at the facility, except Source ID 101, 102, and 104; where visible emission limits are more stringent.
- (b) 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:
 - (1) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour.
 - (2) Equal to or greater than 60% at any time.

**SECTION C. Site Level Requirements**

007 [25 Pa. Code §123.42]

Exceptions

The limitations of 25 Pa. Code § 123.41 (referring to Opacity Limitations) shall not apply to a visible emission in any of the following instances:

- (1) when the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) when the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) when the emission results from sources specified in 25 Pa. Code § 123.31 (referring to Prohibition of Certain Fugitive Emissions).

008 [25 Pa. Code §129.14]

Open burning operations

The permittee may not permit the open burning of material in the Southeast Air Basin, except when the open burning results 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 solely for recreational or ceremonial purposes.
- (e) A fire set solely for cooking food.

II. TESTING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in Section A, of this Permit, may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, 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, 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.
- (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.

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

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

SECTION C. Site Level Requirements

- (1) Odors, which the Department may determine to be objectionable.
- (2) Visible Emissions.
- (3) Fugitive Particulate Matter.

(b) All detectable fugitive particulate emissions, and /or objectionable odors, that originated on-site and cross the property line as well as visible emissions that originate on site shall:

- (1) Be investigated.
- (2) Be reported to the facility management, or individual(s) designated by the permittee.
- (3) Be recorded in a permanent written log.

(c) The following tiered approach for monitoring (d)-(e) applies to all sources at the facility, except sources #101, #102, #104; where opacity and fugitive emissions limits are more stringent. (Malodor monitoring may follow the tiered approach for sources #101, #102, and #104) Paragraph (f) applies to the entire facility.

(d) At the end of six months, upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly for the next six month period.

(e) At the end of the second six month period, upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.

(f) 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 and the semi-annual report of monitoring and record keeping, complaints, monitoring results, and /or Department findings.

IV. RECORDKEEPING REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall perform calculations and maintain these records in order to demonstrate compliance with the Volatile Organic Compound (VOC) emission limit for the entire facility.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (a) De minimis increases without notification to the Department
- (b) De minimis increases with notification to the Department by letter
- (c) Increases resulting from a Request for Determination to the Department
- (d) Increases resulting from the issuance of a Plan Approval and subsequent Operating Permit.

V. REPORTING REQUIREMENTS.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (a) The permittee shall, within two (2) hours of becoming knowledgeable of any occurrence, notify the Department at 484-

**SECTION C. Site Level Requirements**

250-5920 of any malfunction of the source(s) or associated air pollution control devices listed in Section A of this permit, which results in, or may possibly result in, the emission of air contaminants in excess of the limitations specified in this permit, or regulation contained in 25 Pa. Code Article III.

(b) Malfunction(s) which occur at this Title V facility, and pose(s) an imminent danger to public health, safety, welfare and the environment, and would violate permit conditions if the source were to continue to operate after the malfunction, shall immediately be reported to the Department by telephone at the above number.

(c) A written report shall be submitted to the Department within two (2) working days following the notification of the incident, and shall describe, at a minimum, the following:

- (1) The malfunction(s).
- (2) The emission(s).
- (3) The duration.
- (4) Any corrective action taken.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The deviation report required by Condition #023(b), of Section B, of this permit, is for monitoring deviations, only. This report shall be submitted to the Department at a frequency of at least every six (6) months.

017 [25 Pa. Code §135.21]

Emission statements

The permittee shall submit, by March 1 of each year, an annual emission statement for the preceeding calander year.

018 [25 Pa. Code §135.3]

Reporting

The permittee shall submit, by March 1 of each year, an Air Information Management System (AIMS) inventory report for the preceding calendar year. The report shall include information for all previously reported sources that were first operated during the preceding calendar year, and sources modified during the same period that were not previously reported.

The source owner or operator may request an extension of time from the Department, for the filing of an inventory report, and the Department may grant extension for reasonable cause.

VI. WORK PRACTICE REQUIREMENTS.

019 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

- (a) Use, where possible, of water or suitable chemicals, as approved by the Department, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (b) Application of asphalt, water, or other suitable chemicals, as approved by the Department, on dirt roads, material stockpiles and other surfaces that 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 by other means.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall immediately implement measures, including the installation of air cleaning device(s), if necessary, to

SECTION C. Site Level Requirements

reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in Section A of 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.

021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee may not modify any air contaminant system identified in Sections A or G, of this permit, prior to obtaining Department approval, except those modifications authorized by Condition #017(g), of Section B, of this permit.

023 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall reduce emissions of Class I and Class II refrigerants during the service, maintenance, repair, and disposal of equipment in accordance with the requirements of 40 CFR Part 82, Subpart F, Recycling and Emissions Reduction.

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 10/01/2002 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #24 of section B of this permit, and annually thereafter.

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

*** Permit Shield In Effect **

SECTION D. Source Level Requirements

Source ID: 031

Source Name: SMALL BOILER AND HEATERS

Source Capacity / Throughput:

3.500 MMBTU / HR

1,100.00 CF / HR

180.00 Gal / HR

Natural Gas

#2 Oil



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emissions into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

Each of the individual sources listed in the Additional Requirements for this source, shall be operated with Volatile Organic Compound emission rates of no greater than 3 pounds per hour, 15 pounds per day, and 2.7 tons per year, whichever is more stringent.

Fuel Restriction(s).

003 [25 Pa. Code §123.22]

Combustion units

No person may, at any time, offer for sale, deliver or use, exchange in trade or permit the use of commercial fuel oil for use in combustion units in the Southeast Pennsylvania air basin which contains sulfur in excess of 0.3 percent by weight, pursuant to 25 Pa. Code § 123.22(e)(2).

[Compliance with this condition assures compliance with 25 Pa. Code § 123.22(e)(1) for the outer zone.]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This combustion unit shall be fired with Natural Gas or No. 2 Fuel Oil only.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following are applicable to tests for the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references).

(2) Test methods and procedures for the determination of viscosity shall be that specified in 25 Pa. Code § 139.4(11) (relating to references). The viscosity shall be determined at 100°F.

(3) Test methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15).

**SECTION D. Source Level Requirements**

(4) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The testing requirements in subpart (a) above, shall be waived in the event that a delivery receipt from the supplier, showing the percentage sulfur in the fuel, is obtained each time a fuel oil delivery is made.

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor the fuel type and amount of fuel used for this source on a daily basis, when in operation.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the fuel type and amount of fuel used for this source on a daily basis, when the source is in operation.

008 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall retain receipts, or test results, of the percent sulfur in the fuel oil to demonstrate compliance with the sulfur limit for this source.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source #031 contains the following small combustion units, totaling a rated capacity of 3.52 mmBtu / hr.

Source	Capacity (mmBtu / hr)
Fire pump house boiler for water tower	1.10
Process hot oil heater	1.25
Office hot water heater	0.40
Office heater	0.76

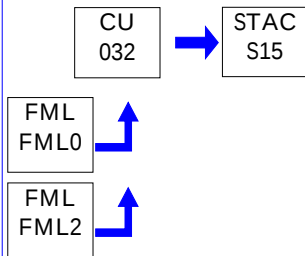
*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: 032

Source Name: SATURANT ASPHALT HEATER

Source Capacity / Throughput: 10.000 MMBTU / HR
 10,000.00 CF / HR Natural Gas
 73.00 Gal / HR #2 Oil

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

001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emissions into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The Volatile Organic Compound (VOC) emissions from this source shall not exceed 2.7 tons per twelve (12) month rolling period, or 3 pounds per hour, or 15 pounds per day.

Fuel Restriction(s).

003 [25 Pa. Code §123.22]

Combustion units

No person may, at any time, offer for sale, deliver or use, exchange in trade or permit the use of commercial fuel oil for use in combustion units in the Southeast Pennsylvania air basin which contains sulfur in excess of 0.3 percent by weight, pursuant to 25 Pa. Code § 123.22(e)(2).

[Compliance with this condition assures compliance with 25 Pa. Code § 123.22(e)(1) for the outer zone.]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This combustion unit shall be fired with Natural Gas or No. 2 Fuel Oil only.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following are applicable to tests for the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references).

(2) Test methods and procedures for the determination of viscosity shall be that specified in 25 Pa. Code § 139.4(11) (relating to references). The viscosity shall be determined at 100°F.

(3) Test methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15).

(4) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

**SECTION D. Source Level Requirements**

(b) The testing requirements in subpart (a) above, shall be waived in the event that a delivery receipt from the supplier, showing the percentage sulfur in the fuel, is obtained each time a fuel oil delivery is made.

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor the fuel type and amount of fuel used for this source on a daily basis, when in operation.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the fuel type and amount of fuel used for this source on a daily basis, when the source is in operation.

008 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall retain receipts, or test results, of the percent sulfur in the fuel oil to demonstrate compliance with the sulfur limit for this source.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

Source ID: 033

Source Name: FLUX ASPHALT HEATER

Source Capacity /Throughput:

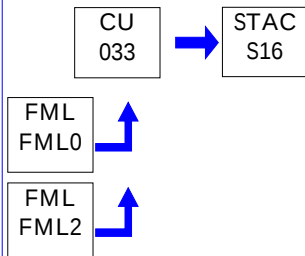
7.500 MMBTU / HR

7,500.00 CF / HR

54.74 Gal / HR

Natural Gas

#2 Oil

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

001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emissions into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The Volatile Organic Compound (VOC) emissions from this source shall not exceed 2.7 tons per twelve (12) month rolling period, or 3 pounds per hour, or 15 pounds per day.

Fuel Restriction(s).

003 [25 Pa. Code §123.22]

Combustion units

No person may, at any time, offer for sale, deliver or use, exchange in trade or permit the use of commercial fuel oil for use in combustion units in the Southeast Pennsylvania air basin which contains sulfur in excess of 0.3 percent by weight, pursuant to 25 Pa. Code § 123.22(e)(2).

[Compliance with this condition assures compliance with 25 Pa. Code § 123.22(e)(1) for the outer zone.]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This combustion unit shall be fired with Natural Gas or No. 2 Fuel Oil only.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following are applicable to tests for the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references).

(2) Test methods and procedures for the determination of viscosity shall be that specified in 25 Pa. Code § 139.4(11) (relating to references). The viscosity shall be determined at 100°F.

(3) Test methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15).

(4) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

**SECTION D. Source Level Requirements**

(b) The testing requirements in subpart (a) above, shall be waived in the event that a delivery receipt from the supplier, showing the percentage sulfur in the fuel, is obtained each time a fuel oil delivery is made.

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor the fuel type and amount of fuel used for this source on a daily basis, when in operation.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the fuel type and amount of fuel used for this source on a daily basis, when the source is in operation.

008 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall retain receipts, or test results, of the percent sulfur in the fuel oil to demonstrate compliance with the sulfur limit for this source.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

Source ID: 034

Source Name: COATING ASPHALT HEATER

Source Capacity /Throughput:

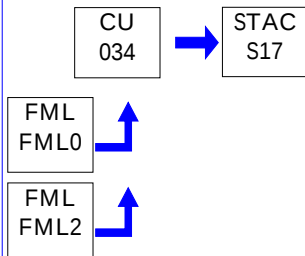
4.500 MMBTU / HR

4,500.00 CF / HR

32.85 Gal / HR

Natural Gas

#2 Oil

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

001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emissions into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The Volatile Organic Compound (VOC) emissions from this source shall not exceed 2.7 tons per twelve (12) month rolling period, or 3 pounds per hour, or 15 pounds per day.

Fuel Restriction(s).

003 [25 Pa. Code §123.22]

Combustion units

No person may, at any time, offer for sale, deliver or use, exchange in trade or permit the use of commercial fuel oil for use in combustion units in the Southeast Pennsylvania air basin which contains sulfur in excess of 0.3 percent by weight, pursuant to 25 Pa. Code § 123.22(e)(2).

[Compliance with this condition assures compliance with 25 Pa. Code § 123.22(e)(1) for the outer zone.]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This combustion unit shall be fired with Natural Gas or No. 2 Fuel Oil only.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following are applicable to tests for the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references).

(2) Test methods and procedures for the determination of viscosity shall be that specified in 25 Pa. Code § 139.4(11) (relating to references). The viscosity shall be determined at 100°F.

(3) Test methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15).

(4) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

**SECTION D. Source Level Requirements**

(b) The testing requirements in subpart (a) above, shall be waived in the event that a delivery receipt from the supplier, showing the percentage sulfur in the fuel, is obtained each time a fuel oil delivery is made.

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor the fuel type and amount of fuel used for this source on a daily basis, when in operation.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the fuel type and amount of fuel used for this source on a daily basis, when the source is in operation.

008 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall retain receipts, or test results, of the percent sulfur in the fuel oil to demonstrate compliance with the sulfur limit for this source.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

Source ID: 035

Source Name: FILLER HOT OIL HEATER

Source Capacity /Throughput:

3.500 MMBTU / HR

3,500.00 CF / HR

25.55 Gal / HR

Natural Gas

#2 Oil

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

001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emissions into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The Volatile Organic Compound (VOC) emissions from this source shall not exceed 2.7 tons per twelve (12) month rolling period, or 3 pounds per hour, or 15 pounds per day.

Fuel Restriction(s).

003 [25 Pa. Code §123.22]

Combustion units

No person may, at any time, offer for sale, deliver or use, exchange in trade or permit the use of commercial fuel oil for use in combustion units in the Southeast Pennsylvania air basin which contains sulfur in excess of 0.3 percent by weight, pursuant to 25 Pa. Code § 123.22(e)(2).

[Compliance with this condition assures compliance with 25 Pa. Code § 123.22(e)(1) for the outer zone.]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This combustion unit shall be fired with Natural Gas or No. 2 Fuel Oil only.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following are applicable to tests for the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references).

(2) Test methods and procedures for the determination of viscosity shall be that specified in 25 Pa. Code § 139.4(11) (relating to references). The viscosity shall be determined at 100°F.

(3) Test methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15).

(4) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

**SECTION D. Source Level Requirements**

(b) The testing requirements in subpart (a) above, shall be waived in the event that a delivery receipt from the supplier, showing the percentage sulfur in the fuel, is obtained each time a fuel oil delivery is made.

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor the fuel type and amount of fuel used for this source on a daily basis, when in operation.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the fuel type and amount of fuel used for this source on a daily basis, when the source is in operation.

008 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall retain receipts, or test results, of the percent sulfur in the fuel oil to demonstrate compliance with the sulfur limit for this source.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: 036

Source Name: STEAM BOILER 1

Source Capacity /Throughput:

5.200 MMBTU / HR

5,230.00 CF / HR

38.18 Gal / HR

Natural Gas

#2 Oil

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

001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emissions into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The Volatile Organic Compound (VOC) emissions from this source shall not exceed 2.7 tons per twelve (12) month rolling period, or 3 pounds per hour, or 15 pounds per day.

Fuel Restriction(s).

003 [25 Pa. Code §123.22]

Combustion units

No person may, at any time, offer for sale, deliver or use, exchange in trade or permit the use of commercial fuel oil for use in combustion units in the Southeast Pennsylvania air basin which contains sulfur in excess of 0.3 percent by weight, pursuant to 25 Pa. Code § 123.22(e)(2).

[Compliance with this condition assures compliance with 25 Pa. Code § 123.22(e)(1) for the outer zone.]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This combustion unit shall be fired with Natural Gas or No. 2 Fuel Oil only.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following are applicable to tests for the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references).

(2) Test methods and procedures for the determination of viscosity shall be that specified in 25 Pa. Code § 139.4(11) (relating to references). The viscosity shall be determined at 100°F.

(3) Test methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15).

(4) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

**SECTION D. Source Level Requirements**

(b) The testing requirements in subpart (a) above, shall be waived in the event that a delivery receipt from the supplier, showing the percentage sulfur in the fuel, is obtained each time a fuel oil delivery is made.

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor the fuel type and amount of fuel used for this source on a daily basis, when in operation.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the fuel type and amount of fuel used for this source on a daily basis, when the source is in operation.

008 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall retain receipts, or test results, of the percent sulfur in the fuel oil to demonstrate compliance with the sulfur limit for this source.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: 037

Source Name: STEAM BOILER 2

Source Capacity /Throughput:

5.200 MMBTU / HR

5,230.00 CF / HR

38.18 Gal / HR

Natural Gas

#2 Oil

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

001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emissions into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The Volatile Organic Compound (VOC) emissions from this source shall not exceed 2.7 tons per twelve (12) month rolling period, or 3 pounds per hour, or 15 pounds per day.

Fuel Restriction(s).

003 [25 Pa. Code §123.22]

Combustion units

No person may, at any time, offer for sale, deliver or use, exchange in trade or permit the use of commercial fuel oil for use in combustion units in the Southeast Pennsylvania air basin which contains sulfur in excess of 0.3 percent by weight, pursuant to 25 Pa. Code § 123.22(e)(2).

[Compliance with this condition assures compliance with 25 Pa. Code § 123.22(e)(1) for the outer zone.]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This combustion unit shall be fired with Natural Gas or No. 2 Fuel Oil only.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following are applicable to tests for the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references).

(2) Test methods and procedures for the determination of viscosity shall be that specified in 25 Pa. Code § 139.4(11) (relating to references). The viscosity shall be determined at 100°F.

(3) Test methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15).

(4) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

**SECTION D. Source Level Requirements**

(b) The testing requirements in subpart (a) above, shall be waived in the event that a delivery receipt from the supplier, showing the percentage sulfur in the fuel, is obtained each time a fuel oil delivery is made.

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor the fuel type and amount of fuel used for this source on a daily basis, when in operation.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the fuel type and amount of fuel used for this source on a daily basis, when the source is in operation.

008 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall retain receipts, or test results, of the percent sulfur in the fuel oil to demonstrate compliance with the sulfur limit for this source.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

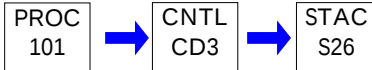
Source ID: 101

Source Name: ASPHALT SATURATOR LINE (FELT)

Source Capacity / Throughput:

10.00 Tons / HR

PRODUCT

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

001 [25 Pa. Code §123.13]

Processes

(a) As per 25 Pa. Code § 123.13(b)(1), no person may permit the emission into the outdoor atmosphere of particulate matter from the Asphalt Roofing Manufacturing (Felt Saturation) process, at any time, either in excess of the rate calculated by the formula in paragraph (B), or in a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grains per dry standard cubic foot, whichever is greater.

(b) As per 25 Pa. Code § 123.13(b)(2), formula: $A = 0.76E^{0.42}$; where:

A = allowable emissions in pounds per hour.

E = emission index = F X W pounds per hour.

F = process factor in pounds per unit (0.6, asphalt used).

W = production or charging rate in units per hour.

002 [25 Pa. Code §123.21]

General

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

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The visible emissions from this saturator line shall not exceed 10% opacity at any time.

[Compliance with this streamlined condition assures compliance with the conditions of 40 CFR § 60.472(a)(2)]

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.472]

Subpart UU - Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture**Standards for particulate matter.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.1-3]

On and after the date on which 40 CFR § 60.8(b) requires a performance test to be completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any saturator:

(a) Particulate matter in excess of 0.4 kilograms per megagram of saturated felt roofing produced;

(b) Any visible emissions from the saturator capture system associated with this source for more than 20 percent of any period of consecutive valid observations totaling 60 minutes.

II. TESTING REQUIREMENTS.

005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.474]

Subpart UU - Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture**Test methods and procedures.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.1-3]

(a) For saturators, the owner or operator shall conduct performance tests as required below within 180 days of permit expiration:

(1) If the final product is shingle or mineral-surfaced roll roofing, the tests shall be conducted while 106.6-kg (235-lb) shingle

SECTION D. Source Level Requirements

is being produced.

(2) If the final product is saturated felt or smooth-surfaced roll roofing, the tests shall be conducted while 6.8-kg (15-lb) felt is being produced.

(3) If the final product is fiberglass shingle, the test shall be conducted while a nominal 100-kg (220-lb) shingle is being produced.

(b) In conducting the performance tests required in 40 CFR § 60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of 40 CFR 60 or other methods and procedures as specified in this section, except as provided in 40 CFR § 60.8(b).

(c) The owner or operator shall determine compliance with the particulate matter standards in 40 CFR § 60.472 as follows:

(1) The emission rate (E) of particulate matter shall be computed for each run using the following equation:

$$E = (CsQsd) / (PK)$$

where:

E=emission rate of particulate matter, kg / Mg.

Cs=concentration of particulate matter, g / dscm (g / dscf).

Qsd=volumetric flow rate of effluent gas, dscm / hr (dscf / hr).

P=asphalt roofing production rate or asphalt charging rate, Mg / hr (ton / hr).

K=conversion factor, 1000 g / kg [907.2 / (g-Mg) / (kg-ton)].

(2) Method 5A shall be used to determine the particulate matter concentration (Cs) and volumetric flow rate (Qsd) of the effluent gas. For a saturator, the sampling time and sample volume for each run shall be at least 120 minutes and 3.00 dscm (106 dscf).

(3) For the saturator, the asphalt roofing production rate (P) for each run shall be determined as follows: The amount of asphalt roofing produced on the shingle or saturated felt process lines shall be obtained by direct measurement. The asphalt roofing production rate is the amount produced divided by the time taken for the run.

(4) Method 9 and the procedures in 40 CFR § 60.11 shall be used to determine opacity.

(d) The Department will determine compliance with the visible emission standards in § 60.472 by using Method 22, modified so that readings are recorded every 15 seconds for a period of consecutive observations during representative conditions [in accordance with 40 CFR § 60.8(c)] totaling 60 minutes. A performance test shall consist of one run.

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall monitor this source for opacity on a daily basis.

007 [25 Pa. Code §127.511]

[Monitoring and related recordkeeping and reporting requirements.](#)

The permittee shall monitor the following for the mist eliminator associated with this source, when in operation, on a weekly basis:

- pressure drops across each mist eliminator
- inlet temperature from each mist eliminator
- capture efficiency.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.473]

[Subpart UU - Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture](#)
[Monitoring of operations.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.1-3]

**SECTION D. Source Level Requirements**

An owner or operator subject to the provisions of this subpart and using a control device other than an electrostatic precipitator, or a high velocity air filter, or an afterburner to meet the particulate matter emission limit in 40 CFR § 60.472 shall provide to the Department information describing the operation of the control device and the process parameter(s) which would indicate proper operation and maintenance of the device. The Department may require continuous monitoring and will determine the process parameters to be monitored.

IV. RECORDKEEPING REQUIREMENTS.

009 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain sufficient data and calculations in order to demonstrate compliance with the sulfur compound emission limit for this source.

010 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

- a) inspections performed
- b) maintenance performed
- c) any deficiencies
- d) any corrective actions taken.

011 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain weekly records of the following for the mist eliminator associated with this source:

- a) pressure drops across each mist eliminator
- b) inlet temperature from each mist eliminator
- c) capture efficiency.

V. REPORTING REQUIREMENTS.

012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.473]

**Subpart UU - Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture
Monitoring of operations.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.1-3]

The industry is exempted from the quarterly reports required under 40 CFR § 60.7(c).

VI. WORK PRACTICE REQUIREMENTS.

013 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall implement an inspection and maintenance program for the control device(s) on this source. Plans shall include weekly observations for abnormal emissions, indicating deterioration of the control device.

014 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall perform the following work practice standards for each mist eliminator associated with this source:

- a) Maintain a pressure drop and temperature within the manufacturer's range so that the removal efficiency of the mist eliminators will be as guaranteed, demonstrating compliance with the particulate matter emission limit.
- b) Keep on hand a sufficient quantity of spare fabric cartridges and filters for each mist eliminator in order to be able to immediately replace any cartridge or filter requiring replacement due to deterioration resulting from routine operation of the source and control device. Or, in the event of a sudden failure of the filter cartridges, the permittee shall stop the process until the control equipment can be repaired.
- c) Remove oils from each mist eliminator once per 10-day period.



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

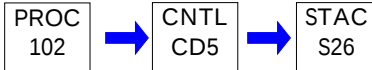
Source ID: 102

Source Name: EXISTING ASPHALT SATURATOR LINE (SHINGLE)

Source Capacity / Throughput:

68.75 Tons / HR

PRODUCT

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

001 [25 Pa. Code §123.13]

Processes

(a) As per 25 Pa. Code § 123.13(b)(1), no person may permit the emission into the outdoor atmosphere of particulate matter from the Asphalt Roofing Manufacturing (Felt Saturation) process, at any time, either in excess of the rate calculated by the formula in paragraph (B), or in a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grains per dry standard cubic foot, whichever is greater.

(b) As per 25 Pa. Code § 123.13(b)(2), formula: $A = 0.76E^{0.42}$; where:

A = allowable emissions in pounds per hour.

E = emission index = F X W pounds per hour.

F = process factor in pounds per unit (0.6, asphalt used).

W = production or charging rate in units per hour.

002 [25 Pa. Code §123.21]

General

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

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The visible emissions from this saturator line shall not exceed 10% opacity at any time.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor this source for opacity on a daily basis.

005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor the following for the mist eliminator associated with this source, when in operation, on a weekly basis:

- pressure drops across each mist eliminator
- inlet temperature from each mist eliminator
- capture efficiency.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain sufficient data and calculations in order to demonstrate compliance with the sulfur compound emission limit for this source.

**SECTION D. Source Level Requirements**

007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

- a) inspections performed
- b) maintenance performed
- c) any deficiencies
- d) any corrective actions taken.

008 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain weekly records of the following for the mist eliminator associated with this source:

- a) pressure drops across each mist eliminator
- b) inlet temperature from each mist eliminator
- c) capture efficiency.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

009 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall implement an inspection and maintenance program for the control device(s) on this source. Plans shall include weekly observations for abnormal emissions, indicating deterioration of the control device.

010 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall perform the following work practice standards for each mist eliminator associated with this source:

- a) Maintain a pressure drop and temperature within the manufacturer's range so that the removal efficiency of the mist eliminators will be as guaranteed, demonstrating compliance with the particulate matter emission limit.
- b) Keep on hand a sufficient quantity of spare fabric cartridges and filters for each mist eliminator in order to be able to immediately replace any cartridge or filter requiring replacement due to deterioration resulting from routine operation of the source and control device. Or, in the event of a sudden failure of the filter cartridges, the permittee shall stop the process until the control equipment can be repaired.
- c) Remove oils from each mist eliminator once per 10-day period.

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

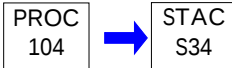
Source ID: 104

Source Name: FELT COOLING AREA

Source Capacity / Throughput:

10.00 Tons / HR

PRODUCT

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

001 [25 Pa. Code §123.13]

Processes

(a) As per 25 Pa. Code § 123.13(b)(1), no person may permit the emission into the outdoor atmosphere of particulate matter from the Asphalt Roofing Manufacturing (Felt Saturation) process, at any time, either in excess of the rate calculated by the formula in paragraph (B), or in a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grains per dry standard cubic foot, whichever is greater.

(b) As per 25 Pa. Code § 123.13(b)(2), formula: $A = 0.76E^{0.42}$; where:

A = allowable emissions in pounds per hour.

E = emission index = F X W pounds per hour.

F = process factor in pounds per unit (0.6, asphalt used).

W = production or charging rate in units per hour.

002 [25 Pa. Code §123.21]

General

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

003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.472]

Subpart UU - Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture**Standards for particulate matter.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.1-3]

(a) On and after the date on which 40 CFR § 60.8(b) requires a performance test to be completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any saturator:

(1) Particulate matter in excess of 0.4 kilograms per megagram of saturated felt roofing produced;

(2) Exhaust gases with opacity greater than 20 percent; and

(3) Any visible emissions from the saturator capture system associated with this source for more than 20 percent of any period of consecutive valid observations totaling 60 minutes.

II. TESTING REQUIREMENTS.

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.474]

Subpart UU - Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture**Test methods and procedures.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.1-3]

(a) For saturators, the owner or operator shall conduct performance tests as required below within 180 days of permit expiration:

(1) If the final product is shingle or mineral-surfaced roll roofing, the tests shall be conducted while 106.6-kg (235-lb) shingle is being produced.

(2) If the final product is saturated felt or smooth-surfaced roll roofing, the tests shall be conducted while 6.8-kg (15-lb) felt is

SECTION D. Source Level Requirements

being produced.

(3) If the final product is fiberglass shingle, the test shall be conducted while a nominal 100-kg (220-lb) shingle is being produced.

(b) In conducting the performance tests required in 40 CFR § 60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of 40 CFR 60 or other methods and procedures as specified in this section, except as provided in 40 CFR § 60.8(b).

(c) The owner or operator shall determine compliance with the particulate matter standards in 40 CFR § 60.472 as follows:

(1) The emission rate (E) of particulate matter shall be computed for each run using the following equation:

$$E = (CsQsd) / (PK)$$

where:

E=emission rate of particulate matter, kg / Mg.

Cs=concentration of particulate matter, g / dscm (g / dscf).

Qsd=volumetric flow rate of effluent gas, dscm / hr (dscf / hr).

P=asphalt roofing production rate or asphalt charging rate, Mg / hr (ton / hr).

K=conversion factor, 1000 g / kg [907.2 / (g-Mg) / (kg-ton)].

(2) Method 5A shall be used to determine the particulate matter concentration (Cs) and volumetric flow rate (Qsd) of the effluent gas. For a saturator, the sampling time and sample volume for each run shall be at least 120 minutes and 3.00 dscm (106 dscf).

(3) For the saturator, the asphalt roofing production rate (P) for each run shall be determined as follows: The amount of asphalt roofing produced on the shingle or saturated felt process lines shall be obtained by direct measurement. The asphalt roofing production rate is the amount produced divided by the time taken for the run.

(4) Method 9 and the procedures in 40 CFR § 60.11 shall be used to determine opacity.

(d) The Department will determine compliance with the visible emission standards in § 60.472 by using Method 22, modified so that readings are recorded every 15 seconds for a period of consecutive observations during representative conditions [in accordance with 40 CFR § 60.8(c)] totaling 60 minutes. A performance test shall consist of one run.

III. MONITORING REQUIREMENTS.

005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.473]
[Subpart UU - Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture](#)
[Monitoring of operations.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.1-3]

An owner or operator subject to the provisions of this subpart and using a control device other than an electrostatic precipitator, or a high velocity air filter, or an afterburner to meet the particulate matter emission limit in 40 CFR § 60.472 shall provide to the Department information describing the operation of the control device and the process parameter(s) which would indicate proper operation and maintenance of the device. The Department may require continuous monitoring and will determine the process parameters to be monitored.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.511]
[Monitoring and related recordkeeping and reporting requirements.](#)

The permittee shall maintain sufficient data and calculations in order to demonstrate compliance with the sulfur compound emission limit for this source.

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

007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.473]
Subpart UU - Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture
Monitoring of operations.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.1-3]

The industry is exempted from the quarterly reports required under 40 CFR § 60.7(c).

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

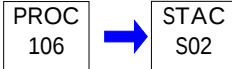
*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: 106

Source Name: NO. 2 FUEL OIL TANK

Source Capacity / Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The Volatile Organic Compound (VOC) emissions from this source shall not exceed 2.7 tons per twelve (12) month rolling period, or 3 pounds per hour, or 15 pounds per day.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The permittee shall monitor, where applicable, the necessary parameters that clearly demonstrate compliance with the Volatile Organic Compound emission limit for this source.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The permittee shall maintain the necessary records that clearly demonstrate compliance with the Volatile Organic Compound 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 (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

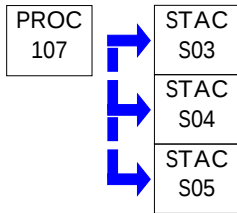
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 107

Source Name: 3 WASTE OIL TANKS

Source Capacity / Throughput:

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

001 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The permittee shall operate each of the sources listed in the Additional Requirements for this source in a manner so that Volatile Organic Compound Emissions shall individually not exceed 3 pounds per hour, 15 pounds per day, and 2.7 tons per twelve month rolling period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The permittee shall monitor, where applicable, the necessary parameters that clearly demonstrate compliance with the Volatile Organic Compound emission limit for this source.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The permittee shall maintain the necessary records that clearly demonstrate compliance with the Volatile Organic Compound 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 (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

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

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

004 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

Source #107 contains the following sources:

- (a) Waste oil tank 1 (900 gallons)
- (b) Waste oil tank 2 (275 gallons)
- (c) Waste oil tank 3 (275 gallons).

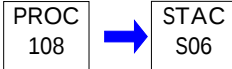
*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: 108

Source Name: DIESEL FUEL TANK

Source Capacity / Throughput:

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

001 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The Volatile Organic Compound (VOC) emissions from this source shall not exceed 2.7 tons per twelve (12) month rolling period, or 3 pounds per hour, or 15 pounds per day.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The permittee shall monitor, where applicable, the necessary parameters that clearly demonstrate compliance with the Volatile Organic Compound emission limit for this source.

003 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall monitor the weekly throughputs of fuel for this source.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The permittee shall maintain the necessary records that clearly demonstrate compliance with the Volatile Organic Compound emission limit for this source.

005 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall maintain weekly records of the fuel throughputs for this source.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

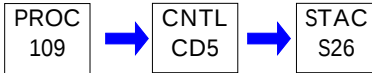
*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: 109

Source Name: 5 ASPHALT STORAGE TANKS

Source Capacity / Throughput:

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

001 [25 Pa. Code §123.13]

Processes

The permittee shall not permit the emission into the outdoor atmosphere of particulate matter from a process 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 a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor pressure drops across each mist eliminator associated with this source, on a weekly basis.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain sufficient data and calculations in order to demonstrate compliance with the sulfur compound emission limit for this source.

005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

- a) inspections performed
- b) maintenance performed
- c) any deficiencies
- d) any corrective actions taken.

006 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain weekly records of the pressure drops across each mist eliminator associated with this source.

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

007 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall implement an inspection and maintenance program for the control device(s) on this source. Plans shall include weekly observations for abnormal emissions, indicating deterioration of the control device.

008 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall perform the following work practice standards for each control device as indicated:

- a) Maintain a pressure drop within the manufacturer's range so that the removal efficiency of the mist eliminators will be as guaranteed, demonstrating compliance with the particulate matter emission limit.
- b) Keep on hand a sufficient quantity of spare fabric cartridges and filters for each mist eliminator in order to be able to immediately replace any cartridge or filter requiring replacement due to deterioration resulting from routine operation of the source and control device. Or, in the event of a sudden failure of the filter cartridges, the permittee shall stop the process until the control equipment can be repaired.
- c) Remove oils from the mist eliminators once per 10-day period; remove oils from the carbon absorption beds once per week.
- d) Replace carbon beds annually and record the date of each replacement.

VII. ADDITIONAL REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source #109 contains the following sources:

- (a) Asphalt tank 1 (40,000 gallons)
- (b) Asphalt tank 2 (40,000 gallons)
- (c) Asphalt tank 3 (40,000 gallons)
- (d) Asphalt tank 4 (40,000 gallons)
- (e) Asphalt tank 5 (10,000 gallons).

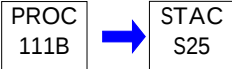
*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: 111B

Source Name: PARTS WASHER 1

Source Capacity / Throughput:

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

001 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The Volatile Organic Compound (VOC) emissions from this source shall not exceed 2.7 tons per twelve (12) month rolling period, or 3 pounds per hour, or 15 pounds per day.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The permittee shall monitor, where applicable, the necessary parameters that clearly demonstrate compliance with the Volatile Organic Compound emission limit for this source.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The permittee shall maintain the necessary records that clearly demonstrate compliance with the Volatile Organic Compound emission limit for this source.

004 [25 Pa. Code §129.63]

[Degreasing operations](#)

The permittee shall perform the following recordkeeping for the parts washer:

(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, Material Safety Data Sheet (MSDS), 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 (Title V General Requirements).



SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

005 [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 machines shall have a freeboard ratio of 0.50 or greater, pursuant to 25 Pa. Code § 129.63(a)(1).

(b) The immersion cold cleaning machines and remote reservoir cold cleaning machines 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 machines and remote reservoir cold cleaning machines shall be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover, pursuant to 25 Pa. Code § 129.63(a)(2)(ii).

006 [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.

007 [25 Pa. Code §129.63]

Degreasing operations

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

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).



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

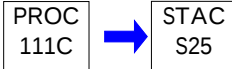
*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: 111C

Source Name: PARTS WASHER 2

Source Capacity / Throughput:

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

001 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The Volatile Organic Compound (VOC) emissions from this source shall not exceed 2.7 tons per twelve (12) month rolling period, or 3 pounds per hour, or 15 pounds per day.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The permittee shall monitor, where applicable, the necessary parameters that clearly demonstrate compliance with the Volatile Organic Compound emission limit for this source.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The permittee shall maintain the necessary records that clearly demonstrate compliance with the Volatile Organic Compound emission limit for this source.

004 [25 Pa. Code §129.63]

[Degreasing operations](#)

The permittee shall perform the following recordkeeping for the parts washer:

(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, Material Safety Data Sheet (MSDS), 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 (Title V General Requirements).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

005 [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 machines shall have a freeboard ratio of 0.50 or greater, pursuant to 25 Pa. Code § 129.63(a)(1).

(b) The immersion cold cleaning machines and remote reservoir cold cleaning machines 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 machines and remote reservoir cold cleaning machines shall be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover, pursuant to 25 Pa. Code § 129.63(a)(2)(ii).

006 [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.

007 [25 Pa. Code §129.63]

Degreasing operations

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

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).



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: 112

Source Name: AUXILIARY FIRE PUMP

Source Capacity / Throughput:

8.03 Gal / HR

Diesel Fuel

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

001 [25 Pa. Code §123.13]

Processes

The permittee shall not permit the emission into the outdoor atmosphere of particulate matter from a process 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.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The Volatile Organic Compound (VOC) emissions from this source shall not exceed 2.7 tons per twelve (12) month rolling period, or 3 pounds per hour, or 15 pounds per day.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This unit shall be fired with Diesel Fuel only.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor the fuel type and hours of operation on an average daily basis.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the fuel type and hours of operation on an average daily basis to demonstrate compliance with the VOC and Particulate Matter 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 (Title V General Requirements).



SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

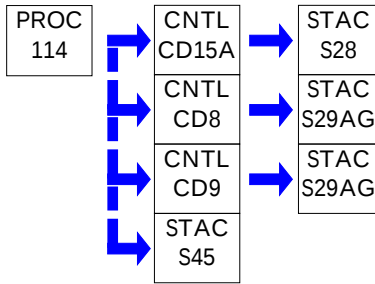
*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: 114

Source Name: FILLER PROCESSES

Source Capacity / Throughput:

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

001 [25 Pa. Code §123.13]

Processes

The permittee shall not permit the emission into the outdoor atmosphere of particulate matter from a process 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 (Title V General Requirements).

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor the pressure drop(s) across the baghouse(s) associated with this source, on a weekly basis.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

- a) inspections performed
- b) maintenance performed
- c) any deficiencies
- d) any corrective actions taken.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §127.512]

Operating permit terms and conditions.

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

SECTION D. Source Level Requirements

include weekly observations for abnormal emissions, indicating deterioration of the control device.

006 [25 Pa. Code §127.512]

[Operating permit terms and conditions.](#)

The permittee shall maintain a pressure drop within the manufacturer's range so that the removal efficiency of the dust collector will be as guaranteed, demonstrating compliance with the particulate matter emission limit.

007 [25 Pa. Code §127.512]

[Operating permit terms and conditions.](#)

The permittee shall follow one of the work practice standards below:

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

(b) In the event of a sudden failure of the filter cartridges, the permittee shall stop the process until the control equipment can be repaired.

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

Source #114 includes the following Filler Process Sources:

- (a) Filler Silo
- (b) Filler Receiving Bin
- (c) Filler Conveyance, Heating, and Mixing.

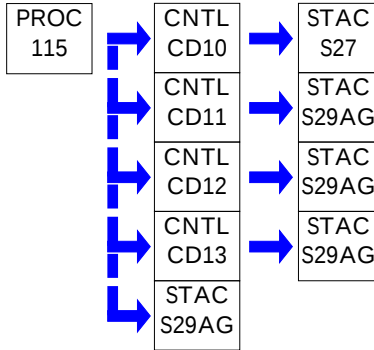
*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

Source ID: 115

Source Name: BACK SURFACING PROCESSES

Source Capacity / Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

The permittee shall not permit the emission into the outdoor atmosphere of particulate matter from a process 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 (Title V General Requirements).

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor pressure drops across each control device associated with this source, on a weekly basis, where applicable.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

a) The permittee shall maintain weekly records of the pressure drops across the control devices associated with this source.

b) For control devices associated with the silo(s) of this source, the permittee shall maintain annual records of pressure drop calculations.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

- 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 (Title V General Requirements).

SECTION D. Source Level Requirements**VI. WORK PRACTICE REQUIREMENTS.**

005 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall maintain a pressure drop within the manufacturer's range so that the removal efficiency of the dust collectors will be as guaranteed, demonstrating compliance with the particulate matter emission limit.

006 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall follow one of the work practice standards below:

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

(b) In the event of a sudden failure of the filter cartridges, the permittee shall stop the process until the control equipment can be repaired.

007 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall implement an inspection and maintenance program for the control device(s) on this source. Plans shall include weekly observations for abnormal emissions, indicating deterioration of the control device.

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source #115 includes the following Back Surfacing Process sources:

- (a) Back Surfacing Silo
- (b) Back Surfacing Receiving Hopper
- (c) Back Surfacing Conveyance and Distribution Hopper
- (d) Back Surfacing Application.

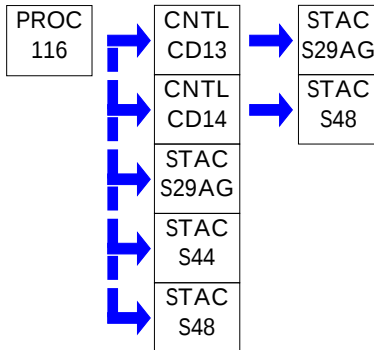
*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

Source ID: 116

Source Name: GRANULE PROCESSES

Source Capacity / Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

The permittee shall not permit the emission into the outdoor atmosphere of particulate matter from a process 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 (Title V General Requirements).

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor pressure drops across each control device associated with this source, on a weekly basis, where applicable.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

a) The permittee shall maintain weekly records of the pressure drops across the control devices associated with this source.

b) For control devices associated with the silo(s) of this source, the permittee shall maintain annual records of pressure drop calculations.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

- inspections performed
- maintenance performed
- any deficiencies
- any corrective actions taken.

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

005 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall maintain a pressure drop within the manufacturer's range so that the removal efficiency of the dust collectors will be as guaranteed, demonstrating compliance with the particulate matter emission limit.

006 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall follow one of the work practice standards below:

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

(b) In the event of a sudden failure of the filter cartridges, the permittee shall stop the process until the control equipment can be repaired.

007 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall implement an inspection and maintenance program for the control device(s) on this source. Plans shall include weekly observations for abnormal emissions, indicating deterioration of the control device.

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source #116 includes the following Granule Process Sources:

- (a) Granule Conveyance in Silo
- (b) Granule Silo Loading
- (c) Granule Conveyance from Silo to Building Tower
- (d) Granule Conveyance in Building Tower
- (e) Granule Application.

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

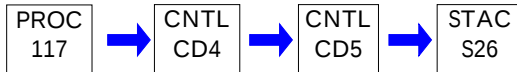
Source ID: 117

Source Name: SHINGLE COATING

Source Capacity / Throughput:

68.75 Tons / HR

PRODUCT

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

001 [25 Pa. Code §123.13]

Processes

(a) As per 25 Pa. Code § 123.13(b)(1), no person may permit the emission into the outdoor atmosphere of particulate matter from the Asphalt Roofing Manufacturing (Felt Saturation) process, at any time, either in excess of the rate calculated by the formula in paragraph (B), or in a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grains per dry standard cubic foot, whichever is greater.

(b) As per 25 Pa. Code § 123.13(b)(2), formula: $A = 0.76E^{0.42}$; where:

A = allowable emissions in pounds per hour.

E = emission index = F X W pounds per hour.

F = process factor in pounds per unit (0.6, asphalt used).

W = production or charging rate in units per hour.

002 [25 Pa. Code §123.21]

General

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

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The Volatile Organic Compound (VOC) emissions from this source shall not exceed 2.7 tons per twelve (12) month rolling period, or 3 pounds per hour, or 15 pounds per day.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall perform a stack test for this source using the Department Approved procedures for stack testing, within 180 days prior to this permit expiration. The stack test shall, at a minimum, test for the PM, SO_x, and VOC.

(b) At least sixty (60) days prior to the test, the company shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(c) At least thirty (30) days prior to the test, the Regional Air Quality Manager shall be informed of the date and time of the test.

(d) Within thirty (30) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

**SECTION D. Source Level Requirements**

The permittee shall monitor, where applicable, the necessary parameters that clearly demonstrate compliance with the Volatile Organic Compound emission limit for this source.

006 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor the following for the mist eliminator associated with this source, when in operation, on a weekly basis:

- a) pressure drops across each mist eliminator
- b) inlet temperature from each mist eliminator
- c) capture efficiency.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The permittee shall maintain the necessary records that clearly demonstrate compliance with the Volatile Organic Compound emission limit for this source.

008 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain sufficient data and calculations in order to demonstrate compliance with the sulfur compound emission limit for this source.

009 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

- a) inspections performed
- b) maintenance performed
- c) any deficiencies
- d) any corrective actions taken.

010 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain weekly records of the following for the mist eliminator associated with this source:

- a) pressure drops across each mist eliminator
- b) inlet temperature from each mist eliminator
- c) capture efficiency.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

011 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall implement an inspection and maintenance program for the control device(s) on this source. Plans shall include weekly observations for abnormal emissions, indicating deterioration of the control device.

012 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall perform the following work practice standards for each mist eliminator associated with this source:

- a) Maintain a pressure drop and temperature within the manufacturer's range so that the removal efficiency of the mist

SECTION D. Source Level Requirements

eliminators will be as guaranteed, demonstrating compliance with the particulate matter emission limit.

b) Keep on hand a sufficient quantity of spare fabric cartridges and filters for each mist eliminator in order to be able to immediately replace any cartridge or filter requiring replacement due to deterioration resulting from routine operation of the source and control device. Or, in the event of a sudden failure of the filter cartridges, the permittee shall stop the process until the control equipment can be repaired.

c) Remove oils from each mist eliminator once per 10-day period.

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

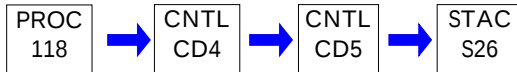
Source ID: 118

Source Name: HORIZONTAL AND VERTICAL MIXERS

Source Capacity / Throughput:

68.75 Tons / HR

PRODUCT

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

001 [25 Pa. Code §123.13]

Processes

(a) As per 25 Pa. Code § 123.13(b)(1), no person may permit the emission into the outdoor atmosphere of particulate matter from the Asphalt Roofing Manufacturing (Felt Saturation) process, at any time, either in excess of the rate calculated by the formula in paragraph (B), or in a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grains per dry standard cubic foot, whichever is greater.

(b) As per 25 Pa. Code § 123.13(b)(2), formula: $A = 0.76E^{0.42}$; where:

A = allowable emissions in pounds per hour.

E = emission index = F X W pounds per hour.

F = process factor in pounds per unit (0.6, asphalt used).

W = production or charging rate in units per hour.

002 [25 Pa. Code §123.21]

General

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor the following for the mist eliminator associated with this source, when in operation, on a weekly basis:

- pressure drops across each mist eliminator
- inlet temperature from each mist eliminator
- capture efficiency.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain sufficient data and calculations in order to demonstrate compliance with the sulfur compound emission limit for this source.

005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

- inspections performed
- maintenance performed
- any deficiencies

**SECTION D. Source Level Requirements**

d) any corrective actions taken.

006 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain weekly records of the following for the mist eliminator associated with this source:

- a) pressure drops across each mist eliminator
- b) inlet temperature from each mist eliminator
- c) capture efficiency.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall implement an inspection and maintenance program for the control device(s) on this source. Plans shall include weekly observations for abnormal emissions, indicating deterioration of the control device.

008 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall perform the following work practice standards for each mist eliminator associated with this source:

- a) Maintain a pressure drop and temperature within the manufacturer's range so that the removal efficiency of the mist eliminators will be as guaranteed, demonstrating compliance with the particulate matter emission limit.
- b) Keep on hand a sufficient quantity of spare fabric cartridges and filters for each mist eliminator in order to be able to immediately replace any cartridge or filter requiring replacement due to deterioration resulting from routine operation of the source and control device. Or, in the event of a sudden failure of the filter cartridges, the permittee shall stop the process until the control equipment can be repaired.
- c) Remove oils from each mist eliminator once per 10-day period.

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: 500

Source Name: MISCELLANEOUS VOC SOURCES

Source Capacity / Throughput:

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

001 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The permittee shall operate each of the sources listed in the Additional Requirements for this source, in a manner so that Volatile Organic Compound Emissions shall individually not exceed 3 pounds per hour, 15 pounds per day, and 2.7 tons per twelve month rolling period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The permittee shall monitor the necessary parameters that clearly demonstrate compliance with the Volatile Organic Compound emission limit for this source.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91-95]

The permittee shall maintain the necessary records that clearly demonstrate compliance with the Volatile Organic Compound 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 (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

004 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

Source #500 includes the following miscellaneous VOC sources:

10-Release agent system
52-Indoor fugitives from shingle cooling area
64-Shingle sealant asphalt application
65-Indoor fugitives from open doors and loopers
76-Asphalt for bag seal
77-Labeling ink
78-White glue usage



SECTION D. Source Level Requirements

79-Brown glue usage.

*** Permit Shield in Effect. ***



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description
031	SMALL BOILER AND HEATERS
Emission Limit	Pollutant
0.400 Lbs/MMBTU	PM10
032	SATURANT ASPHALT HEATER
Emission Limit	Pollutant
0.400 Lbs/MMBTU	PM10
033	FLUX ASPHALT HEATER
Emission Limit	Pollutant
0.400 Lbs/MMBTU	PM10
034	COATING ASPHALT HEATER
Emission Limit	Pollutant
0.400 Lbs/MMBTU	PM10
035	FILLER HOT OIL HEATER
Emission Limit	Pollutant
0.400 Lbs/MMBTU	PM10
036	STEAM BOILER 1
Emission Limit	Pollutant
0.400 Lbs/MMBTU	PM10
037	STEAM BOILER 2
Emission Limit	Pollutant
0.400 Lbs/MMBTU	PM10
101	ASPHALT SATURATOR LINE (FELT)
Emission Limit	Pollutant
0.020 gr / DRY FT3	PM10
500.000 PPMV	SOX
102	EXISTING ASPHALT SATURATOR LINE (SHINGLE)
Emission Limit	Pollutant
0.020 gr / DRY FT3	PM10
500.000 PPMV	SOX
104	FELT COOLING AREA
Emission Limit	Pollutant
0.020 gr / DRY FT3	PM10
500.000 PPMV	SOX

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description										
109	5 ASPHALT STORAGE TANKS										
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>0.040</td><td>gr / DRY FT3</td><td>PM10</td></tr><tr><td>500.000</td><td>PPMV</td><td>SOX</td></tr></table>			Emission Limit		Pollutant	0.040	gr / DRY FT3	PM10	500.000	PPMV	SOX
Emission Limit		Pollutant									
0.040	gr / DRY FT3	PM10									
500.000	PPMV	SOX									
112	AUXILIARY FIRE PUMP										
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>0.040</td><td>gr / DRY FT3</td><td>PM10</td></tr></table>			Emission Limit		Pollutant	0.040	gr / DRY FT3	PM10			
Emission Limit		Pollutant									
0.040	gr / DRY FT3	PM10									
114	FILLER PROCESSES										
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>0.040</td><td>gr / DRY FT3</td><td>PM10</td></tr></table>			Emission Limit		Pollutant	0.040	gr / DRY FT3	PM10			
Emission Limit		Pollutant									
0.040	gr / DRY FT3	PM10									
115	BACK SURFACING PROCESSES										
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>0.040</td><td>gr / DRY FT3</td><td>PM10</td></tr></table>			Emission Limit		Pollutant	0.040	gr / DRY FT3	PM10			
Emission Limit		Pollutant									
0.040	gr / DRY FT3	PM10									
116	GRANULE PROCESSES										
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>0.040</td><td>gr / DRY FT3</td><td>PM10</td></tr></table>			Emission Limit		Pollutant	0.040	gr / DRY FT3	PM10			
Emission Limit		Pollutant									
0.040	gr / DRY FT3	PM10									
117	SHINGLE COATING										
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>0.020</td><td>gr / DRY FT3</td><td>PM10</td></tr><tr><td>500.000</td><td>PPMV</td><td>SOX</td></tr></table>			Emission Limit		Pollutant	0.020	gr / DRY FT3	PM10	500.000	PPMV	SOX
Emission Limit		Pollutant									
0.020	gr / DRY FT3	PM10									
500.000	PPMV	SOX									
118	HORIZONTAL AND VERTICAL MIXERS										
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>0.020</td><td>gr / DRY FT3</td><td>PM10</td></tr><tr><td>500.000</td><td>PPMV</td><td>SOX</td></tr></table>			Emission Limit		Pollutant	0.020	gr / DRY FT3	PM10	500.000	PPMV	SOX
Emission Limit		Pollutant									
0.020	gr / DRY FT3	PM10									
500.000	PPMV	SOX									

Site Emission Restriction Summary

Emission Limit	Pollutant
96.400 Tons / Yr	VOC

**SECTION G. Miscellaneous.**

A) The following previously issued operating permits serve as the basis for certain terms and conditions set forth in this Title V Permit:

OP-09-0039: Facility VOC RACT

09-309-005C: Saturator Lines, Heaters, and Asphalt Storage Tanks (and associated control devices)

09-309-006: Talc Silo and Limestone Silo

B) The following sources have been determined by the Department to be insignificant sources of air emissions and therefore do not require additional limitations, monitoring, or recordkeeping. They are still subject to any applicable Federal, State, and Local Regulations that may apply, including the Site Level Requirements of this Title V Operating Permit.

- (1) No. 1-Boiler loop chemical additives
- (2) No. 11-Kerosene tank (600 gallon)
- (3) No. 12-Process hot oil expansion tank
- (4) No. 18-Process hot oil catch tank
- (5) No. 19-Filler hot oil catch tank
- (6) No. 35-Fire pump house space heater
- (7) No. 39-Hand applied filler and talc
- (8) No. 49-Tab recycling loading
- (9) No. 54-Tower cleanup chute drop
- (10) No. 66-Glass and felt mat
- (11) No. 67-Granule truck unloading
- (12) No. 71-Granule silo unloading

C) The following sources are no longer in operation:

- (1) No. 22 - 0.22 MMBtu/hr Auxiliary plant generator
- (2) No. 32 - 1.98 MMBtu/hr Make-up air heater unit
- (3) No. 61 - Kerosene cleaning inside saturators
- (4) No. 62 - Kerosene cleaning outside saturators
- (5) No. 63 - Backup sealant melter
- (6) CD1 - Tanks Mist Eliminator
- (7) CD2 - Tanks Carbon Bed
- (8) CD6 - Catenary grid scrubber

The permittee shall notify the Department if any of the above sources are re-activated prior to operation.

D) This permit is an administrative amendment (November 2005) - New AUTH ID 611067 and Master AUTH ID 353820. The following issues have been addressed in the amendment:

(1) Source Level Requirements - Section D - Inaccurate VOC emission limits have been removed for Source IDs 101, 102, 104, 109, and 118. Relevant monitoring and recordkeeping has also been removed from the sources.

(2) The Carburetor Parts Washer (Source ID 111A) is no longer operating at the facility and has been removed from the permit.

(3) The remaining parts washers no longer use halogenated solvents; therefore, 40 CFR § 63 Subpart T - National Emission Standards for Halogenated Solvent Cleaning - does not apply to the Source IDs 111B and 111C. 25 Pa. Code § 129.63 (Degreasing Operations) does apply to the parts washers and has been added to Section D - Source Level Requirements - Source IDs 111B and 111C.



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