



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: April 12, 2019

Effective Date: April 15, 2019

Expiration Date: April 14, 2024

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

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

State Only Permit No: 15-00151

Federal Tax Id - Plant Code: 23-2127253-1

Owner Information

Name: PACER IND INC
Mailing Address: 200 RED RD
COATESVILLE, PA 19320-2765

Plant Information

Plant: PACER IND/VALLEY
Location: 15 Chester County 15956 Valley Township
SIC Code: 3069 Manufacturing - Fabricated Rubber Products, Nec

Responsible Official

Name: JOSEPH F MORAN
Title: PRES
Phone: (610) 383 - 4200

Permit Contact Person

Name: JOSEPH F MORAN
Title: PRES
Phone: (610) 383 - 4200

[Signature] _____
JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER



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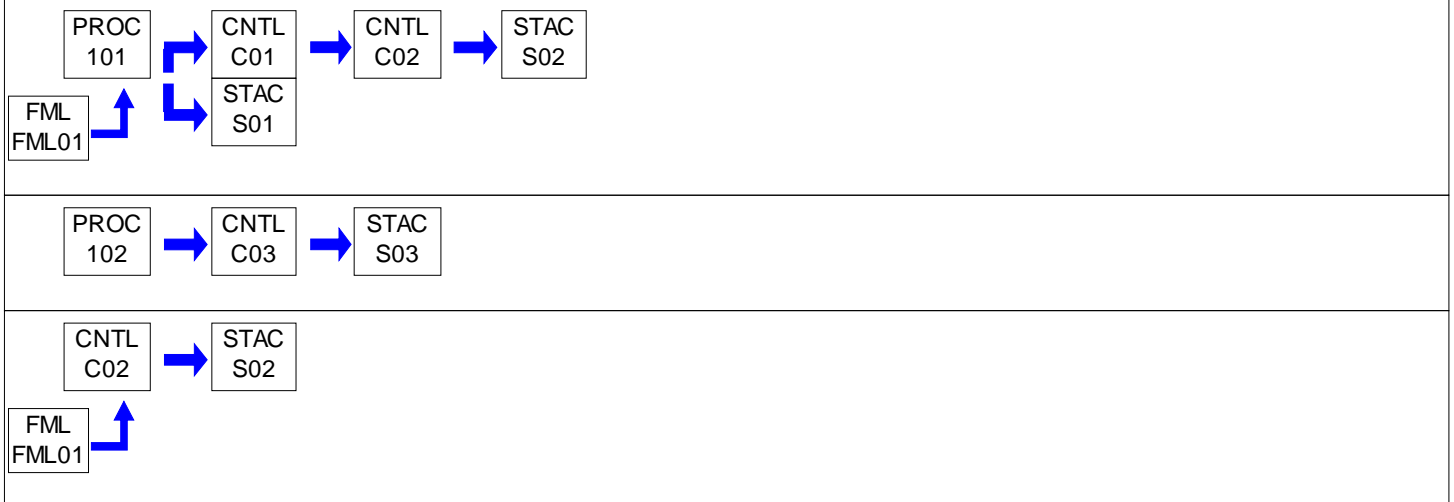
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	DEPOLYMERIZED NATURAL RUBBER (DPR) PRODUCTION PROCESS	0.510 MMBTU/HR	
		500.000 CF/HR	Natural Gas
		945.000 Lbs/HR	NATURAL RUBBER
102	ELECTRIC CORK GRINDING WHEEL CURING OVENS (2)	N/A	CORK/RUBBER
C01	WATER-COOLED CONDENSER		
C02	THERMAL OXIDIZER		
C03	ELEC CORK GRIND WHEEL CURING OVENS HORIZONTAL FUME SCRUBBER		
FML01	NATURAL GAS PIPELINE		
S01	DPR PRODUCTION PROCESS KETTLE COMBUSTION EXHAUST STACK		
S02	THERMAL OXIDIZER STACK		
S03	ELEC CORK GRIND WHEEL CURING OVENS HORIZONTAL FUME SCRUB STK		

PERMIT MAPS



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

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

- (a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

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

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

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

- (a) The permittee shall pay fees according to the following schedule specified in 25 Pa. Code § 127.703(b):
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension,

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modification, revision, renewal, and re-issuance of each operating permit or part thereof.

(b) The permittee shall pay an annual operating permit administrative fee according to the fee schedule established in 25 Pa. Code § 127.703(c).

(1) Two hundred fifty dollars for applications filed during the 1995-1999 calendar years.

(2) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(3) Three hundred seventy-five dollars for applications filed during the years beginning in 2005.

(c) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund".

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes

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a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one 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 for the source is operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

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

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

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

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

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

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

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

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

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

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

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and

SECTION B. General State Only Requirements

significant operating permit modifications, under this permit, as outlined below:

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

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

(d) Permit modifications which do not qualify as minor permit modifications under 25 Pa. Code § 127.541 will be treated as a significant operating permit revision subject to the public notification procedures in §§ 127.424 and 127.425.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The permittee shall not cause or permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. § 4003).

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

The permittee shall ensure that emission into the outdoor atmosphere of fugitive air contaminants does not occur from any source, except for 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) Open burning operations, as specified in 25 Pa. Code § 129.14 (see Condition # 007(a)–(g), Section C, of this permit).
- (g) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (h) Coke oven batteries, provided that the fugitive air contaminant emissions from any coke oven battery comply with the standards for visible fugitive emissions in 25 Pa. Code §§ 123.44 and 129.15.
- (i) Sources and classes of sources other than those indicated in (a)–(h), above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive air contaminant emissions from the sources, after appropriate controls, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollution.
 - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

The permittee shall ensure that emission into the outdoor atmosphere of fugitive particulate matter (PM) from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 002(a)–(i), Section C, of this permit), occurs in such a manner that the emission is not visible at the point it passes outside the person's property.

004 [25 Pa. Code §123.31]**Limitations**

The permittee shall ensure that emission into the outdoor atmosphere of any malodorous air contaminants from any source occurs in such a manner that the malodors are not detectable outside the property of the person on whose land the source is being operated.

005 [25 Pa. Code §123.41]**Limitations**

The permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from this facility occurs in such a manner that the opacity of the emission is neither of the following:

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

SECTION C. Site Level Requirements**# 006 [25 Pa. Code §123.42]****Exceptions**

The emission restrictions specified in 25 Pa. Code § 123.41 (see Condition # 005(a)–(b), Section C, of this permit), shall not apply to a visible air contaminant emission in either of the following instances:

- (a) When the presence of uncombined water is the only reason for failure of the emission to meet the restrictions.
- (b) When the emission results from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 002(a)–(i), Section C, of this permit).

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

The permittee shall not perform any open burning activities, except for the following:

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

- (a) If, at any time, the Department has cause to believe that air contaminant emissions from any source(s) listed in Sections A or G, of this permit, may be in excess of the restrictions specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Subpart C, Article III, the permittee shall be required to perform whatever test(s) is deemed necessary by the Department to determine the actual emission rate(s).
- (b) The permittee shall perform any test(s) required in (a), above, in accordance with the provisions of 25 Pa. Code Chapter 139, when applicable, and any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

III. MONITORING REQUIREMENTS.**# 009 [25 Pa. Code §123.43]****Measuring techniques**

The permittee may measure visible air contaminant emissions 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.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

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

- (1) Odors, which may be objectionable (as per 25 Pa. Code § 123.31; see Condition # 004, Section C, of this permit).
- (2) Visible air contaminant emissions (as per 25 Pa. Code §§ 123.41 and 123.42; see Conditions # 005–006, Section C, of this permit, respectively).
- (3) Fugitive air contaminant emissions (as per 25 Pa. Code §§ 123.1 and 123.2; see Conditions # 002–003, Section C, of this permit, respectively).

(b) Objectionable odors, visible air contaminant emissions, and/or fugitive air contaminant emissions that are caused or may be caused by operations at the facility shall:

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

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

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

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain all records, reports, and analysis results generated in compliance with the requirements of any section of this permit in accordance with Condition # 020(b), Section B, of this permit, and shall make them available to the Department upon written or verbal request within a reasonable time.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

(a) The permittee shall maintain records of all monitoring of odors, visible air contaminant emissions, and fugitive air contaminant emissions, including deviations from the conditions found in Conditions # 002–005, Section C, of this permit, and Condition # 002, Section D, of this permit. All records of deviations shall include, at a minimum, the following for each incident:

- (1) A description of the deviation.
- (2) The source(s) and/or associated air pollution control device(s) and location(s).

SECTION C. Site Level Requirements

- (3) The duration (including the starting and ending date(s) and times).
 - (4) The cause(s).
 - (5) The corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.
- (b) The monitoring shall be recorded and maintained in a Department-approved format and time frame.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of all of this facility's emission increases, including the following types, in accordance with 25 Pa. Code § 127.449:

- (a) De minimis emission increases without notification to the Department.
- (b) De minimis emission increases with notification to the Department, via letter.
- (c) Emission increases resulting from a Request for Determination of Changes of Minor Significance and Exemption from Plan Approval/Operating Permit (RFD) to the Department.
- (d) Emission increases resulting from the issuance of a plan approval and subsequent operating permit.

V. REPORTING REQUIREMENTS.**# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.7(b), and 25 Pa. Code Chapter 122 and § 127.443(b).]

- (a) The permittee shall, within 2 hours of discovery of any occurrence, notify the Department, at (484) 250-5920, of any malfunction(s) of a source(s) and/or associated air pollution control device(s) listed in Sections A or G, of this permit, that results in, or may possibly result in, the emission of air contaminants in excess of the restrictions specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Subpart C, Article III.
- (b) The permittee shall immediately report to the Department, by telephone at the above number, any malfunction(s) that occurs at this facility and poses an imminent danger to public health, safety, welfare, and the environment, or would violate plan approval conditions if the source(s) and/or associated air pollution control device(s) were to continue to operate after the malfunction(s).
- (c) The permittee shall submit, to the Department, a written report within 2 working days following the notification of the incident. The report shall include, at a minimum, the following:
 - (1) A description of the malfunction(s).
 - (2) The source(s) and/or associated air pollution control device(s) and location(s).
 - (3) The duration (including the starting and ending date(s) and times).
 - (4) The cause(s).
 - (5) The emission(s).
 - (6) Any corrective action(s) taken.

SECTION C. Site Level Requirements**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 C.F.R. Part 68.]

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with all applicable provisions of the Clean Air Act, 40 C.F.R. 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) that meets all applicable provisions of Section 112(r) of the Clean Air Act, 40 C.F.R. Part 68, and the Federal Chemical Safety Information, Site Security, and Fuels Regulatory Relief Act when a regulated substance listed in 40 C.F.R. § 68.130 is present in a process in more than the threshold quantity at this facility. The permittee shall submit the RMP to the EPA 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 (3) years after the date on which a regulated substance is first listed in 40 C.F.R. § 68.130.
 - (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 C.F.R. § 68.190.
 - (3) The permittee shall certify that the RMP is accurate and complete in accordance with all applicable provisions of 40 C.F.R. 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 C.F.R. § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances, or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.
- (d) If this facility is subject to 40 C.F.R. Part 68, as part of the certification required under this permit, the permittee shall perform the following:
- (1) Submit a compliance schedule for satisfying all applicable provisions of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. § 68.10(a).
 - (2) Certify that the facility is in compliance with all applicable provisions of 40 C.F.R. Part 68 including the registration and submission of the RMP.
- (e) If the facility is subject to 40 C.F.R. Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for 5 years in accordance with 40 C.F.R. § 68.200.
- (f) When the facility is subject to the accidental release program provisions of Section 112(r) of the Clean Air Act and 40 C.F.R. Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 C.F.R. Part 68.

016 [25 Pa. Code §135.3]**Reporting**

- (a) If the permittee has been previously advised by the Department to submit a source report, the permittee shall submit by March 1, of each year, a source report for the preceding calendar year. The report shall include information from each previously-reported source(s), a new source(s) which was first operated during the preceding calendar year, and each source(s) modified during the same period that was not previously reported, including any source(s) listed in Section G, of this permit.

SECTION C. Site Level Requirements

(b) The permittee may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 123.1(c) and 127.443(b).]

The permittee shall take all reasonable actions to prevent PM from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 002(a)–(i), Section C, of this permit), from becoming airborne. These actions shall include, but not be limited to, the following:

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

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

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.11(d), and 25 Pa. Code Chapter 122 and §§ 127.443(b) and 127.444.]

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall immediately, upon discovery, implement measures, which may include the application for the installation of an air pollution control device(s), if necessary, to reduce the air contaminant emissions to within applicable restrictions, if at any time the operation of a source(s) listed in Sections A or G, of this permit, is causing the emission of air contaminants in excess of the restrictions specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Subpart C, Article III.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

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 # 013(g), Section B, of this permit.

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.



SECTION C. Site Level Requirements

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

SECTION D. Source Level Requirements

Source ID: 101

Source Name: DEPOLYMERIZED NATURAL RUBBER (DPR) PRODUCTION PROCESS

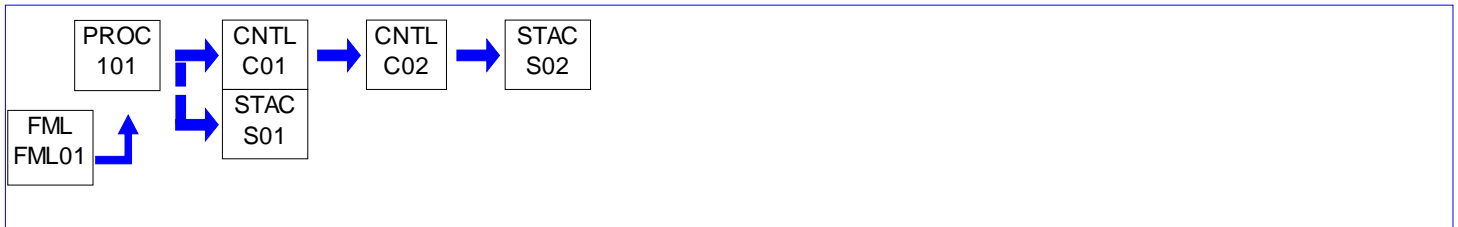
Source Capacity/Throughput: 0.510 MMBTU/HR

500.000 CF/HR

Natural Gas

945.000 Lbs/HR

NATURAL RUBBER

**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 § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of volatile organic compounds (VOCs) from this DPR production process occurs in such a manner that the concentration of the emission, as measured at the outlet of the associated thermal oxidizer (Source ID C02), does not exceed 20 ppmv, dry basis, as methane (7 ppmv, dry basis, as propane), averaged on an hourly basis.

II. TESTING REQUIREMENTS.

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

(a) The permittee shall monitor the following operating parameters for this DPR production process and the associated chiller (of Source ID C01) and thermal oxidizer (Source ID C02) for each batch of DPR produced:

(1) The date and time (to the nearest minute) that the thermal oxidizer, chiller, and equipment of the DPR production process indicated in Condition # 008(a)(1)–(4), Section D, of this permit, are turned on.

(2) The following whenever a load of natural rubber is added to the chipper and heating kettle of the DPR production process:

(i) The duration (including the start and end times to the nearest minute).

(ii) The quantity of bales (or weight [lbs]) of natural rubber added.

(iii) The heating kettle (pot) temperature (°F).

(iv) The chiller water temperature (°F).

(v) The condenser air temperature (°F).

(3) The thermal oxidizer combustion chamber temperature (°F) on a continuous basis.

SECTION D. Source Level Requirements

- (4) The total quantity of bales (or total weight [lbs]) of natural rubber added to the heating kettle.
 - (5) The following when filling drums via the drum filling station of the DPR production process:
 - (i) The duration (including the start and end times to the nearest minute).
 - (ii) The total number of steel drums filled.
 - (iii) The following for any other type of container(s) filled (besides steel drums):
 - (A) The type/size of the container(s).
 - (B) The total number of these containers filled.
 - (v) The total weight of DPR produced (lbs; as filled).
 - (6) The time (to the nearest minute) that the condenser with chiller and thermal oxidizer are turned off.
 - (7) The total weight of condensate collected by the condenser (lbs).
- (b) The permittee shall monitor the following operating parameters for the DPR production process and the associated condenser with chiller and thermal oxidizer on a monthly and 12-month rolling basis:
- (1) The hours of operation (for the condenser with chiller and thermal oxidizer).
 - (2) The amount of natural gas consumed (mcf or mmcf).
 - (3) The number of batches of DPR produced.
 - (4) The total weight of DPR produced (lbs; as filled).
 - (5) The total weight of condensate collected by the condenser (lbs).

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 § 127.443(b).]

(a) The permittee shall maintain records of the following operating parameters for this DPR production process and the associated chiller (of Source ID C01) and thermal oxidizer (Source ID C02) for each batch of DPR produced:

(1) The date and time (to the nearest minute) that the thermal oxidizer, chiller, and equipment of the DPR production process indicated in Condition # 008(a)(1)–(4), Section D, of this permit, are turned on.

(2) The following whenever a load of natural rubber is added to the chipper and heating kettle of the DPR production process:

- (i) The duration (including the start and end times to the nearest minute).
- (ii) The quantity of bales (or weight [lbs]) of natural rubber added.
- (iii) The heating kettle (pot) temperature (°F).
- (iv) The chiller water temperature (°F).

**SECTION D. Source Level Requirements**

- (v) The condenser air temperature (°F).
- (3) The thermal oxidizer combustion chamber temperature (°F) on a continuous basis.
- (4) The total quantity of bales (or total weight [lbs]) of natural rubber added to the heating kettle.
- (5) The following when filling drums via the drum filling station of the DPR production process:
 - (i) The duration (including the start and end times to the nearest minute).
 - (ii) The total number of steel drums filled.
 - (iii) The following for any other type of container(s) filled (besides steel drums):
 - (A) The type/size of the container(s).
 - (B) The total number of these containers filled.
 - (iv) The total weight of DPR produced (lbs; as filled).
- (6) The time (to the nearest minute) that the condenser with chiller and thermal oxidizer are turned off.
- (7) The total weight of condensate collected by the condenser (lbs).
- (b) The permittee shall maintain records of the following operating parameters for the DPR production process and the associated condenser with chiller and thermal oxidizer on a monthly and 12-month rolling basis:
 - (1) The hours of operation (for the condenser with chiller and thermal oxidizer).
 - (2) The amount of natural gas consumed (mcf or mmcf).
 - (3) The number of batches of DPR produced.
 - (4) The total weight of DPR produced (lbs; as filled).
 - (5) The total weight of condensate collected by the condenser (lbs).

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of all maintenance (i.e., routine and/or preventative maintenance, repairs, adjustments, parts replacements, calibrations, etc.) activities performed for this DPR production process and the associated condenser with chiller (Source ID C01) and thermal oxidizer (Source ID C02), as well as cleanouts of the heating kettle of the DPR production process. These records shall include, at a minimum, the following:

- (a) The date of the maintenance or cleanout activity.
- (b) The type of maintenance performed.

V. REPORTING REQUIREMENTS.

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall operate and maintain a device(s) that indicates and records the combustion chamber gas temperature of the thermal oxidizer (Source ID C02) associated with this DPR production process on a continuous basis. The permittee shall ensure that, whenever a load of natural rubber pieces is added to the heating kettle of this DPR production process, the combustion chamber gas temperature of the associated thermal oxidizer (Source ID C02) is maintained at equal to or greater than 1500 °F.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

(a) The permittee shall operate and maintain a device that indicates the temperature of the cooling water circulated through the condenser with chiller (Source ID C01) associated with this DPR production process on a continuous basis. Except as permitted in (b), below, the permittee shall ensure that, whenever a load of natural rubber pieces is added to the heating kettle of this DPR production process, the temperature of the chiller water is maintained at less than or equal to 50 °F.

(b) If there is a malfunction of the chiller, the permittee shall be permitted to circulate domestic water through the condenser. The permittee shall make an initial attempt at repairing the malfunction within 2 business days after discovery of the malfunction, and complete the repair within 10 business days after discovery of the malfunction. The repair may be delayed only if completion of the repair within 10 business days is not feasible; otherwise, the permittee shall not operate the equipment of the DPR production process.

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

(a) This source is a DPR production process comprised of the following equipment and operations:

(1) A chipper (chopper/slicer). The chipper is used to chop and slice (solid) natural rubber into small pieces. Natural rubber pieces from the chipper proceed to a covered belt conveyor [(a)(2), below].

(2) A covered belt conveyor leading from (a)(1), above, to a shuttle box [of (a)(3), below].

(3) A shuttle box with horizontal ram and (attached) sliding steel plate. As the ram pushes the rubber pieces, the steel plate slides to expose an opening in the top of a heating kettle [of (a)(4), below], which the natural rubber pieces fall into. As the ram pulls back, the steel plate slides back to seal the opening.

(4) A refractory-lined heating kettle (pot) equipped with an internal agitation mixer and six natural gas-fired burners. The heating kettle is used to heat the natural rubber pieces to produce (liquid) DPR. The burners are rated at 0.51 mmBtu/hr heat input (total).

(5) A 6-ton liquid carbon dioxide (CO₂) aboveground storage tank (AST). CO₂ from the AST is used to blanket the DPR inside of (a)(4), above, to avoid oxidation/reaction of the DPR with ambient air.

(6) A filling station, in which a wand is lowered into a steel drum (or other container) to fill it with liquid DPR from (a)(4), above.

(b) Some of the gas flow from (a)(4), above, proceeds through a water-cooled condenser with chiller (Source ID C01), model no. PCP-750G-96 ARC, manufactured by Filtrene Mfg. Co., before returning to (a)(4), above (in a closed loop). The condenser is used to condense some of the VOCs in the gas flow before the gas flow ultimately proceeds as specified in (c), below. The chiller is used to circulate cooling water through the condenser.

(c) Gas flow at/from (a)(3)–(4) and (6), above, is routed, via various pickup points, to a natural gas-fired thermal oxidizer

SECTION D. Source Level Requirements

(Source ID C02), model no. 1000CFM, manufactured by VMB Systems, Inc., before exhausting into the outdoor atmosphere. The thermal oxidizer is used to destroy VOCs in the gas flow, and is rated at 2.5 mmBtu/hr heat input.

SECTION D. Source Level Requirements

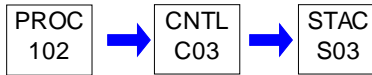
Source ID: 102

Source Name: ELECTRIC CORK GRINDING WHEEL CURING OVENS (2)

Source Capacity/Throughput:

N/A

CORK/RUBBER

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the hours of operation for these electric cork grinding wheel curing ovens on an operating day basis.

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

The permittee shall monitor the following operating parameters for the horizontal fume scrubber (Source ID C03) associated with these electric cork grinding wheel curing ovens on an operating day basis, using Department-approved methods:

- (a) The pH of the scrubber liquid.
- (b) The differential pressure across the scrubber.
- (c) The recirculation rate of the scrubber liquid (at the recirculation pump).

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

The permittee shall maintain records of the hours of operation for these electric cork grinding wheel curing ovens on an operating day basis.

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

The permittee shall maintain records of the following operating parameters for the horizontal fume scrubber (Source ID C03) associated with these electric cork grinding wheel curing ovens, on an operating day basis, using Department-approved methods:

- (a) The pH of the scrubber liquid.
- (b) The differential pressure across the scrubber.
- (c) The recirculation rate of the scrubber liquid (at the recirculation pump).

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

(a) The permittee shall maintain records of all maintenance and cleaning activities performed for the horizontal fume scrubber (Source ID C03) associated with these electric cork grinding wheel curing ovens. These records shall include, at a minimum, the following:

- (a) The date of the maintenance or cleaning activity.
- (b) The type of maintenance or cleaning activity performed.

V. REPORTING REQUIREMENTS.

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

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

The permittee shall operate and maintain a pH meter to indicate the pH of the scrubber liquid in the horizontal fume scrubber (Source ID C03) associated with these electric cork grinding wheel curing ovens. The permittee shall maintain the pH of the scrubber liquid within the range of 7–9.

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

The permittee shall operate and maintain a pressure gauge to indicate the differential pressure across the horizontal fume scrubber (Source ID C03) associated with these electric cork grinding wheel curing ovens. The permittee shall maintain the differential pressure across the scrubber within the range of 0.5–4 inches of water.

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

The permittee shall operate and maintain a flow meter to indicate the recirculation rate of the scrubber liquid at the recirculation pump of the horizontal fume scrubber (Source ID C03) associated with these electric cork grinding wheel curing ovens. The permittee shall maintain the recirculation rate of the scrubber liquid at the recirculation pump at a minimum of 38 gals/min.

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

(a) The permittee shall ensure that the water pre-filters, and stainless steel mesh and fiberglass air filters, of the horizontal fume scrubber (Source ID C03) associated with these electric cork grinding wheel curing ovens are cleaned or replaced, as applicable, on a monthly basis.

(b) The permittee shall ensure that the horizontal fume scrubber itself (including the recirculation pump inlet strainer, mist eliminator pads, and packing material) is cleaned on a quarterly basis.

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

The permittee shall ensure that the horizontal fume scrubber (Source ID C03) associated with these electric cork grinding wheel curing ovens is operating whenever either of the curing ovens are operating.

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

(a) This source grouping consists of two electric cork grinding wheel curing ovens, as follows:

SECTION D. Source Level Requirements

Model/Serial No.	Manufacturer
B2-450 (MN)	The Grieve Corp.
001518 (SN)	JPW Design & Mfg.

(b) Gas flow, including hydrogen sulfide (H₂S) emissions, from (a), above, is routed to a horizontal wet bed fume scrubber (Source ID C03), model no. VHS-2424-PVC-1.5-60-S-1-D-460-3-60, manufactured by Viron International Corp., before exhausting into the outdoor atmosphere. Water is used as the scrubber liquid, with sodium hydroxide (NaOH) added as needed to maintain a relatively neutral pH (i.e., less than or equal to 8).



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description		
101	DEPOLYMERIZED NATURAL RUBBER (DPR) PRODUCTION PROCESS		
Emission Limit		Pollutant	
7.000	PPMV	Dry Basis; As Propane; 1-Hour Average; At the Outlet of the Associated Thermal Oxidizer	VOC
20.000	PPMV	Dry Basis; As Methane; 1-Hour Average; At the Outlet of the Associated Thermal Oxidizer	VOC

Site Emission Restriction Summary

Emission Limit	Pollutant
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**SECTION G. Miscellaneous.**

(a) The following previously-issued documents serve as the basis for certain terms and conditions set forth in this permit:

- (1) Plan Approval No. 09-0222.
- (2) RFD No. 6820.

(b) The following sources have been determined by the Department to be insignificant sources of air emissions and, therefore, do not require additional restrictions, monitoring, or recordkeeping. They are still subject to any applicable federal, state, and local regulations, including those indicated in Section C, of this permit:

(1) The following resin mixing room equipment:

(i) Two mixers, brand name Lancaster Products, model type X-30-BH-M2, manufactured by Kercher Ind., Inc. Each mixer has a capacity of 1.75 ft³.

(ii) A 48 -in [diameter] screener, model no. FM-3-5, manufactured by SWECO.

(iii) A 24-in [L] x 24-in [W] scale booth, model no. GSE 455, manufactured by GSE Scale Systems.

(2) A resin mixing room mechanical shaker dust collector, model type / no. Dustkop / 3DN51, manufactured by AGET Mfg. Co. The dust collector is rated at 2,600 cfm exhaust gas flow, captures resin and epoxy dust emissions from, and exhausts back into, (b)(1), above (i.e., exhausts into the indoor atmosphere).

(3) An electric resin grinding wheel oven, serial no. 001517, manufactured by JPW Design & Mfg.

(4) Two cork mixers, model type/no. Glen Power + Plus 160qt, manufactured by American Machine & Foundry Co. Each mixer has a capacity of 160 qts.

(5) A cork mixer automatic shaker dust collector, model no. / type UMA252G5AD / Unimaster, manufactured by Dust Control Equipment (DCE), Inc. The dust collector is rated at 3,000 cfm exhaust gas flow, captures cork and rubber dust emissions from (b)(4), above, and exhausts into the outdoor atmosphere.

(6) Three grinding wheel finishing machines, model type Cut Master VTL (Vertical Turret Lathe), manufactured by The Bullard Machine Tool Co., as follows:

Table Diameter (in)	Quantity
30	2
36	1

(7) A grinding wheel finishing machine cyclone, model type / no. Dustkop / 30SN90, manufactured by AGET Mfg. Co. The cyclone is rated at 3,500 cfm exhaust gas flow, captures resin grinding wheel dust emissions from (b)(6), above, and exhausts to a grinding wheel finishing machine dust collector [(b)(6), below].

(8) A grinding wheel finishing machine mechanical shaker dust collector, model type / no. Dustkop / FT40-SP, manufactured by AGET Mfg. Co. The dust collector is rated at 3,000 cfm exhaust gas flow, captures resin grinding wheel dust emissions from (b)(7), above, and exhausts into the outdoor atmosphere.

(9) Seven natural gas-fired space heaters, brand name Reznor, manufactured by Nortek Global HVAC LLC, as follows:

Model No.	Rated Heat Input (mmBtu/hr)	Quantity
UDAP100	0.100	1
UDAP175	0.175	2
UDAP200	0.200	2
UDAP300	0.300	2
	1.450	7

**SECTION G. Miscellaneous.**

(10) Three natural gas-fired HVAC units manufactured by Lennox International, Inc., as follows:

Model No.	Rated Cooling Capacity (tons)	Rated Heat Input (mmBtu/hr)	Quantity
KGA090S4B	7.5	0.150	2
KGA072S4B	6	0.150	1
		0.450	3

(11) A natural gas-fired hot water heater, model no. PDX150S6FBN, manufactured by Bradford-White Corp. The hot water heater is rated at 0.040 mmBtu/hr heat input.

(12) An electric natural rubber warm-up oven, model no. B2-450, manufactured by The Grieve Corp.

(13) Two electric air compressors.



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