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Mayor

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

CITY OF HAMMOND

RONALD L. NOVAK
Director

Federally Enforceable State Operating Permit Renewal
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
and
HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Pomp's Tire Service, Inc.
7930 New Jersey Avenue
Hammond, Indiana 46323

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. It shall not be a defense for the 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. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F089-24052-00255		
Issued by:	Original signed by:	Issuance Date: <u>March 27, 2008</u>
Hammond Department of Environmental Management	Ronald L. Novak, Director	Expiration Date: <u>March 27, 2018</u>

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) and Hammond Department of Environmental Management (HDEM). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary tire retreading and repair shop.

Source Address:	7930 New Jersey Avenue, Hammond, IN 46323
Mailing Address:	1123 Cedar Street, P.O. Box 1630, Green Bay, Wisconsin 54305
General Source Phone Number:	(219) 845-1169
SIC Code:	7534 - Tire Retreading & Repair Shop
County Location:	Lake
Source Location Status:	Nonattainment for PM2.5 and 8-hour ozone, Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

- (a) Tire Buffing Machine with a maximum design rate of 17 tires/hr, using a B & J Pollution Control System, constructed on December 7, 1995.
- (b) Universal Spray Cementing Process with a maximum design rate of 0.93 gallons/hr, using dry filters for particulate matter overspray control, constructed on December 7, 1995.
- (c) Air Spray Painting Process with a maximum design rate of 0.4 gallons/hr, constructed on December 7, 1995.

A.3 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities as defined in 326 IAC 2-7-1(21):

- (a) Space heaters, process heaters, or boilers using the following fuels: natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour.
-Two (2) Armstrong, natural gas-fired space heaters, each rated at 150,000 Btu per hour.
- (b) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings.

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- (c) Cleaners and solvents characterized as follows: having a vapor pressure equal to or less than 0.7 kPa: 5 mm Hg: or 0.1 psi measured at 20°C (68°F): the use of which for all cleaners and solvents combined does not exceed 145 gallons per month.
 - (d) Blowdown for any of the following: sight glass, boiler, compressors, pumps, and cooling tower.
 - (e) Other activities or categories not previously identified:

One (1) Repair Cementing Process which includes four (4) stations used in repairing "injuries" in the tires. Maximum application rate is 0.005 gallons per hour. Emissions from this process are less than the following thresholds:

Particulate Matter (PM) = 5 lbs/hour or 25 lbs/day

Volatile Organic Compounds (VOC) = 3 lbs/hour or 15 lbs/day

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) and the Hammond Department of Environmental Management (HDEM) to renew a Federally Enforceable State Operating Permit (FESOP).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-8-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

- (a) This permit, F089-24052-00255, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ and HDEM, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability [326 IAC 2-8-6]

- (a) Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM and HDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.
- (b) Unless otherwise stated, all terms and conditions in this permit that are local requirements, including any provisions designed to limit the source's potential to emit, are enforceable by HDEM.

B.5 Severability [326 IAC 2-8-4(4)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ and HDEM, within a reasonable time, any information that IDEM, OAQ and HDEM may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ and HDEM copies of records required to be kept by this permit.

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- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ and HDEM may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.9 Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "Authorized Individual" is defined at 326 IAC 2-1.1-1(1).

B.10 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue - Room 304
Hammond, IN 46320

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ and HDEM on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;

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- (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ and HDEM may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.11 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)][326 IAC 2-8-5(a)(1)]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) A copy of the PMPs shall be submitted to IDEM, OAQ and HDEM upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ and HDEM. IDEM, OAQ and HDEM may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.12 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, and HDEM and Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865
Hammond Department of Environmental Management phone: (219) 853-6306;
fax: (219) 853-6343
Northwest Regional Office phone: (219) 757-0265; fax: (219) 757-0267 .

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue – Room 304
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue - Room 304
Hammond, IN 46320

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ and

HDEM may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

- (f) Failure to notify IDEM, OAQ and HDEM by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-8-11.1]

- (a) All terms and conditions of permits established prior to F089-24052-00255 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

B.14 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue - Room 304
Hammond, IN 46320

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, or HDEM determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ, or HDEM to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, or HDEM at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, or HDEM may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and HDEM and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue - Room 304
Hammond, IN 46320

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and HDEM on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ and HDEM takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ and HDEM any additional information identified as being needed to process the application.

B.18 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue - Room 304
Hammond, IN 46320

Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.19 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) without a prior permit revision, if each of the following conditions is met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue - Room 304
Hammond, IN 46320

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b) through (d). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ and HDEM in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

- (b) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (c) Alternative Operating Scenarios [326 IAC 2-8-15(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Source Modification Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, and HDEM or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue - Room 304
Hammond, IN 46320

The application which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, and HDEM within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, or HDEM the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.24 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-8-4(1)]

C.1 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit volatile organic compounds (VOCs) from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period. This limitation shall also satisfy the requirements of 326 IAC 2-3 (Emission Offset);
- (2) The potential to emit any regulated pollutant from the entire source, except particulate matter (PM) and volatile organic compounds (VOCs), shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period;
- (3) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (4) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) The potential to emit particulate matter (PM) from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period. This limitation shall render 326 IAC 2-2 and 326 IAC 2-3 not applicable.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a

continuous opacity monitor) in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 Fugitive Dust Emissions [326 IAC 6.8-10-3]

Pursuant to 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements), the particulate matter emissions from source wide activities shall meet the following requirements:

- (a) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).
- (b) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).
- (c) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).
- (d) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.
- (e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.
- (f) There shall be a zero (0) percent frequency of visible emission observations of a material during the inplant transportation of material by truck or rail at any time.
- (g) The opacity of fugitive particulate emissions from the inplant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).
- (h) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.
- (i) The PM10 emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.
- (j) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).
- (k) Any facility or operation not specified in 326 IAC 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard.

C.7 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
- (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
- (2) If there is a change in the following:
- (A) Asbestos removal or demolition start date;
- (B) Removal or demolition contractor; or
- (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue - Room 304
Hammond, IN 46320

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

-
- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
 - (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
 - (g) **Indiana Accredited Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-8-4(3)]

C.9 Performance Testing [326 IAC 3-6]

- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue - Room 304
Hammond, IN 46320

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ and HDEM not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, and HDEM if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.10 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

C.11 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue - Room 304
Hammond, IN 46320

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63, or other approved methods as specified in this permit.

C.13 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an

alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

C.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue - Room 304
Hammond, IN 46320

within ninety (90) days after the date of issuance of this permit.

The ERP does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) If the ERP is disapproved by IDEM, OAQ and HDEM, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

(f) Upon direct notification by IDEM, OAQ and HDEM that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level.
[326 IAC 1-5-3]

C.15 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.16 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

(a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

-
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
 - (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records;
 - (3) inspection of the control device, associated capture system, and the process.
 - (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
 - (e) The Permittee shall maintain the following records:
 - (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.18 Emission Reporting [326 IAC 2-8-4(3)] [Hammond Ordinance No. 7102]

- (a) The Permittee shall submit an annual emission inventory containing production information for each permitted unit. The emission inventory must be received by April 15th of each year. The submittal should cover the twelve (12) consecutive month time period starting January 1 and ending December 31. This is a local requirement only. The emission inventory must be submitted to:

Hammond Department of Environmental Management
5925 Calumet Avenue – Room 304
Hammond, IN 46320

- (b) The emission inventory required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by HDEM on or before the date it is due.

C.19 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner or HDEM makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or HDEM within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.20 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue - Room 304
Hammond, IN 46320

-
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and HDEM on or before the date it is due.
 - (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
 - (e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
 - (f) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ and HDEM. The general public may request this information from the IDEM, OAQ and HDEM under 326 IAC 17.1.

Stratospheric Ozone Protection

C.21 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1

EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Tire Buffing Machine with a maximum design rate of 17 tires/hr, using a B & J Pollution Control System as control, constructed on December 7, 1995.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 Particulate Matter (PM) [Hammond AQC Ordinance No. 3522 (as amended)] [326 IAC 2-2]

Pursuant to the Hammond Air Quality Control Ordinance No. 3522 (as amended), the particulate matter (PM) emissions from the Tire Buffing Machine shall be limited to 2.999 lbs/hr. This requirement will ensure that the source total PM emissions stay below 100 tons per year. Therefore, the requirements of 326 IAC 6.8 and 326 IAC 2-2 (PSD) do not apply.

D.1.2 Particulate Matter less than 10 microns in diameter (PM10) and Part 70 Minor Limit [Hammond AQC Ordinance No. 3522 (as amended)] [326 IAC 2-8-4]

Pursuant to the Hammond Air Quality Control Ordinance No. 3522 (as amended), the particulate matter less than 10 microns in diameter (PM10) emissions from the Tire Buffing Machine shall be limited to the potential PM10 emissions after controls of 0.500 lbs/hr. This requirement will ensure that the source total PM10 emissions stay below 100 tons per year. Therefore, the requirements of 326 IAC 2-7 (Part 70) do not apply.

D.1.3 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan, in accordance with Condition B – Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices.

Compliance Determination Requirements

D.1.4 Particulate Matter less than 10 microns in diameter (PM10)

The B & J Pollution Control System shall be operated at all times when the associated facility is in operation. Operation of the air pollution control equipment according to the compliance monitoring requirements of this permit will ensure that the source total PM10 emissions stay below 100 tons per year. Therefore, the 326 IAC 2-7 (Part 70) requirements do not apply.

Compliance Monitoring Requirements [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

D.1.5 Visible Emissions Notations

- (a) Visible emission notations of the B & J Pollution Control System exhaust shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

-
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
 - (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.1.6 B & J Pollution Control System Inspections

Pursuant to the Hammond Air Quality Control Ordinance No. 3522 (as amended), once per day the source shall assure that the hose and filter are intact and in good working order to ensure that the exhaust from the B & J Pollution Control System that vents outside via one (1) flexible hose and into the semitrailer is totally contained prior to operation of the Tire Buffing Machine. This is a local requirement only.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.7 Record Keeping Requirements

- (a) To document compliance with the emission limitations as stated in Conditions D.1.1 and D.1.2, the Permittee shall maintain a monthly record of the process throughputs and calculate the PM and PM10 emissions on a monthly basis using the PM & PM10 Compliance Monitoring Form located at the end of this permit, or its equivalent.

Compliance with the PM and PM10 limits shall be determined on a twelve (12) consecutive month period.

- (b) To document compliance with D.1.5, the Permittee shall maintain records of daily visible emission notations of the B & J Pollution Control System exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (e.g. the process did not operate that day).
- (c) To document compliance with Condition D.1.6, the Permittee shall maintain records of the results of the inspections as required under Condition D.1.6. This is a local requirement only.
- (d) All records shall be maintained in accordance with Section C – General Record Keeping Requirements, of this permit.

D.1.8 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.1 and D.1.2 shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

SECTION D.2

EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Universal Spray Cementing Process with a maximum design rate of 0.93 gallons/hr, using dry filters for particulate matter overspray control, constructed on December 7, 1995.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

D.2.1 Volatile Organic Compounds [Hammond AQC Ordinance No. 3522 (as amended)]

Pursuant to the Hammond Air Quality Control Ordinance No. 3522 (as amended), the total input of volatile organic compounds (VOC) from the Universal Spray Cementing and Air Spray Painting Processes shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period. This is locally enforceable only.

Any change or modification which may increase potential emissions of VOC to above 25 tons per 12 consecutive month period must be approved by HDEM before any such change may occur.

D.2.2 Particulate Matter (PM) [Hammond AQC Ordinance No. 3522 (as amended)] [326 IAC 2-2]

Pursuant to the Hammond Air Quality Control Ordinance No. 3522 (as amended), the particulate matter (PM) emissions from the Universal Spray Cementing Process shall be limited to 0.742 lbs/hr. This requirement will ensure that the source total PM emissions stay below 100 tons per year. Therefore, the requirements of 326 IAC 6.8 and 326 IAC 2-2 (PSD) do not apply.

D.2.3 Particulate Matter less than 10 microns in diameter (PM10) and Part 70 Minor Limit [Hammond AQC Ordinance No. 3522 (as amended)] [326 IAC 2-8-4]

Pursuant to the Hammond Air Quality Control Ordinance No. 3522 (as amended), particulate matter less than 10 microns in diameter (PM10) emissions from this facility shall be set equal to the PM emission limit or 0.742 lbs/hr. This requirement will ensure that the source total PM10 emissions stay below 100 tons per year. Therefore, the 326 IAC 2-7 (Part 70) requirements do not apply.

D.2.4 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan, in accordance with Condition B.13 of this permit, is required for this facility.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.2.5 Particulate Matter Overspray

Pursuant to CP #543, issued on December 7, 1995, the dry filters for particulate matter overspray control shall be maintained in proper operating condition as per the manufacturer's recommendations and shall be in operation at all times when the Universal Spray Cementing Process is in operation. Therefore, the 326 IAC 6.8 requirements do not apply.

D.2.6 Dry Filter Inspections

(a) Daily inspections shall be performed to verify the placement, integrity, and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the Universal Spray Cementing Process stack while the process is in operation. Monthly inspections shall be performed of the coating

emissions from the stack and the presence of overspray on the rooftops and the nearby ground.

- (b) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.2.7 Record Keeping Requirements

- (a) To document compliance with Condition D.2.1, the Permittee shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be taken monthly and shall be complete and sufficient to establish compliance with the volatile organic compound (VOC) emission limit established in D.2.1.
- (1) The total quantity of universal spray cement used (in gallons) per month.
- (2) The total tons of VOCs emitted for each compliance period. Each compliance period shall be the consecutive twelve (12) month period that includes the most recent month and the previous eleven (11) months.

This is a local requirement only.

- (b) To document compliance with the emission limitations as stated in Conditions D.2.2 and D.2.3, the Permittee shall maintain a monthly record of the total quantity of universal spray paint used and calculate the PM and PM10 emissions on a monthly basis using the PM & PM10 Compliance Monitoring Form located at the end of this permit, or its equivalent.
- Compliance with the PM and PM10 limits shall be determined on a twelve (12) consecutive month period.
- (c) To document compliance with Condition D.2.6, the Permittee shall maintain a log of weekly overspray observations, daily and monthly inspections, and those additional inspections prescribed by the Preventive Maintenance Plan.
- (d) All records shall be maintained in accordance with Section C – General Record Keeping Requirements, of this permit.

D.2.8 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.2.1, D.2.2, and D.2.3 shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Air Spray Painting Process with a maximum design rate of 0.4 gallons per hour, constructed on December 7, 1995.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

D.3.1 Volatile Organic Compounds [Hammond AQC Ordinance No. 3522 (as amended)]

Pursuant to the Hammond Air Quality Control Ordinance No. 3522 (as amended), the total input of volatile organic compounds (VOC) from the Air Spray Painting and Universal Spray Cementing Processes shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period. This is locally enforceable only.

Any change or modification which may increase potential emissions of VOC to above 25 tons per twelve (12) consecutive month period must be approved by HDEM before any such change may occur.

D.3.2 Particulate Matter (PM) [Hammond AQC Ordinance No. 3522 (as amended)] [326 IAC 2-2]

Pursuant to the Hammond Air Quality Control Ordinance No. 3522 (as amended), the particulate matter (PM) emissions from the Air Spray Painting Process shall be limited to 0.516 lbs/hr. This requirement will ensure that the source total PM emissions stay below 100 tons per year. Therefore, the requirements of 326 IAC 6.8 and 326 IAC 2-2 (PSD) do not apply.

D.3.3 Particulate Matter less than 10 microns in diameter (PM10) and Part 70 Minor Limit [Hammond Air Quality Control Ordinance No. 3522 (as amended)] [326 IAC 2-8-4]

Pursuant to the Hammond Air Quality Control Ordinance No. 3522 (as amended), particulate matter less than 10 microns in diameter (PM10) emissions from this facility shall be set equal to the PM emission limit or 0.516 lbs/hr. This requirement will ensure that the source total PM10 emissions stay below 100 tons per year. Therefore, the 326 IAC 2-7 (Part 70) requirements do not apply.

D.3.4 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan, in accordance with Condition B.13 of this permit, is required for this facility.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.3.5 Record Keeping Requirements

(a) To document compliance with Condition D.3.1, the Permittee shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be taken monthly and shall be complete and sufficient to establish compliance with the volatile organic compound (VOC) emission limit established in D.3.1.

(1) The total quantity of paint used (in gallons) per month.

(2) The total tons of VOCs emitted for each compliance period. Each compliance period shall be the consecutive twelve (12) month period that includes the most recent month and the previous eleven (11) months.

This is a local requirement only.

- (b) To document compliance with Conditions D.3.2 and D.3.3, the Permittee shall maintain a monthly record of the total quantity of paint used and calculate the PM and PM10 emissions on a monthly basis using the PM & PM10 Compliance Monitoring Form located at the end of this permit, or its equivalent.

Compliance with the PM and PM10 limits shall be determined on a twelve (12) consecutive month period.

- (c) All records shall be maintained in accordance with Section C – General Record Keeping Requirements, of this permit.

D.3.6 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.3.1, D.3.2, and D.3.3 shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
and
HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
-AIR POLLUTION CONTROL DIVISION-

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION

Source Name: **Pomp's Tire Service, Inc.**
Source Address: 7930 New Jersey Avenue, Hammond, Indiana 46323
Mailing Address: 1123 Cedar Street, Green Bay, Wisconsin 54305
FESOP No.: **F089-24052-00255**

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.
Please check what document is being certified:
<input type="checkbox"/> Annual Compliance Certification Letter
<input type="checkbox"/> Test Result (specify)
<input type="checkbox"/> Report (specify)
<input type="checkbox"/> Notification (specify)
<input type="checkbox"/> Affidavit (specify)
<input type="checkbox"/> Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
Signature:
Printed Name:
Title/Position:
Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-0178
Fax: 317-233-6865**

and

**HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
AIR POLLUTION CONTROL DIVISION
5925 CALUMET AVENUE
HAMMOND, INDIANA 46320**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT**

Source Name: **Pomp's Tire Service, Inc.**
Source Address: 7930 New Jersey Avenue, Hammond, Indiana 46323
Mailing Address: 1123 Cedar Street, Green Bay, Wisconsin 54305
FESOP No.: **F089-24052-00255**

This form consists of 2 pages

Page 1 of 2

 This is an emergency as defined in 326 IAC 2-7-1(12)
The Permittee must notify the Office of Air Quality (OAQ) and the Hammond Department of Environmental Management (HDEM), within four (4) business hours (1- 800-451-6027 or 317-233-0178, ask for IDEM Compliance Section) and (219-853-6306, for HDEM); and
The Permittee must submit notice in writing or by facsimile within two (2) days (Facsimile Number: 317-233-6865, IDEM and 219-853-6343, HDEM), and follow the other requirements of 326 IAC 2-7-16.

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected: Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION
 and
 HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 -AIR POLLUTION CONTROL DIVISION-**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
 PM & PM10 Compliance Monitoring Form**

Source Name: **Pomp's Tire Service Inc.**
 Source Address: 7930 New Jersey Avenue, Hammond, Indiana 46323
 Mailing Address: 1123 Cedar Street, Green Bay, Wisconsin 54305
 FESOP No.: **F089-24052-00255**

PM & PM10 Limit: Less than 100 tons per twelve (12) consecutive month period.

Reporting Month: _____ **Year:** _____

Current Month Emissions			
Parameter	Throughputs	PM emissions (Tons)	PM10 emissions (Tons)
Tire Buffing Machine (# of tires)			
Universal Spray Cement (gallons)			
Air Spray Painting (gallons)			
Total for the Month			
Previous 11 Months Emissions			
Month 11	N/A		
Month 10	N/A		
Month 9	N/A		
Month 8	N/A		
Month 7	N/A		
Month 6	N/A		
Month 5	N/A		
Month 4	N/A		
Month 3	N/A		
Month 2	N/A		
Month 1	N/A		
Total Previous 12 Months			
Total for the Previous 12 Months (Add Current plus 11 previous months)	N/A		

Equations: *(Tire Buffing Machine)*
 PM emissions (Tons) = Throughput (m/Tires) x 5882 lbs/mTires ÷ 2000 x (1-0.97)
 PM10 emissions (Tons) = Throughput (m/Tires) x 5882 lbs/mTires ÷ 2000 x (1-0.995)

(Universal Spray Cement)

PM emissions (Tons) = Throughput (gallons) x 0.798 lbs/gal ÷ 2000

PM10 emissions (Tons) = Throughput (gallons) x 0.798 lbs/gal ÷ 2000

(Air Spray Painting)

PM emissions (Tons) = Throughput (gallons) x 1.29 lbs/gal ÷ 2000

PM10 emissions (Tons) = Throughput (gallons) x 1.29 lbs/gal ÷ 2000

No deviations occurred this month

Deviation(s) occurred this month.

Deviation(s) has been reported on: _____

Attached are supporting documentation

Submitted by (Name & Title): _____

Signature: _____ Date: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
and
HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
-AIR POLLUTION CONTROL DIVISION-**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
VOC Compliance Monitoring Form**

Source Name: **Pomp's Tire Service Inc.**
Source Address: 7930 New Jersey Avenue, Hammond, Indiana 46323
Mailing Address: 1123 Cedar Street, Green Bay, Wisconsin 54305
FESOP No.: **F089-24052-00255**

VOC Limit: **Less than 25 tons per twelve (12) consecutive month period.**

Reporting Month: _____ Year: _____

Parameter	Quantity	VOC Emissions (Tons)
Universal Spray Cement		
Total Quantity of Spray Cement Used for the Month		-----
VOC Emissions (Spray Cement usage gal x 5.202 lbs/gal ÷ 2000 lbs/ton)	-----	
Air Spray Painting		
Total Quantity of Paint Used for the Month		-----
VOC Emissions (Paint usage gal x 0.067 lbs/gal ÷ 2000 lbs/ton)	-----	
Total Month Emissions		
Add VOC emissions from the Universal Spray Cement and Air Spray Painting Processes	-----	

- No deviations occurred this month
- Deviation(s) occurred this month.
Deviation(s) has been reported on: _____
- Attached are supporting documentation

Submitted by (Name & Title): _____

Signature: _____ Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

and

**HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
-AIR POLLUTION CONTROL DIVISION-**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
FESOP-Visual Emissions Notations Form**

Source Name: **Pomp's Tire Service Inc.**
Source Address: 7930 New Jersey Avenue, Hammond, Indiana 46323
Mailing Address: 1123 Cedar Street, Green Bay, Wisconsin 54305
FESOP No.: **F089-24052-00255**

Month: _____ Year: _____

	Tire Buffing Machine (Normal/Abnormal)		Tire Buffing Machine (Normal/Abnormal)
Day 1		Day 17	
Day 2		Day 18	
Day 3		Day 19	
Day 4		Day 20	
Day 5		Day 21	
Day 6		Day 22	
Day 7		Day 23	
Day 8		Day 24	
Day 9		Day 25	
Day 10		Day 26	
Day 11		Day 27	
Day 12		Day 28	
Day 13		Day 29	
Day 14		Day 30	
Day 15		Day 31	
Day 16			

Submitted by (Name & Title): _____

Signature: _____ Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

and

**HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
AIR POLLUTION CONTROL DIVISION**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: **Pomp's Tire Service, Inc.**
Source Address: 7930 New Jersey Avenue, Hammond, Indiana 46323
Mailing Address: 1123 Cedar Street, Green Bay, Wisconsin 54305
FESOP No.: **F089-24052-00255**

Months: _____ to _____ Year: _____

Page 1 of 2

This report is an affirmation that the source has met all the requirements stated in this permit. This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**Indiana Department of Environmental Management
Office of Air Quality
and
Hammond Department of Environmental Management
-Air Pollution Control Division-**

Technical Support Document (TSD) for a
Federally Enforceable State Operating Permit Renewal

Source Background and Description

Source Name:	Pomp's Tire Service, Inc.
Source Location:	7930 New Jersey Avenue
County:	Lake
SIC Code:	7534 Tire Retreading & Repair Shop
Permit Renewal No.:	F089-24052-00255
Permit Reviewer:	Debra Malone, HDEM

The Hammond Department of Environmental Management (HDEM) has reviewed the operating permit renewal application from Pomp's Tire Service, Inc. relating to the operation of a tire retreading and repair shop.

History

On December 13, 2006, Pomp's Tire Service, Inc. submitted applications to the OAQ and HDEM requesting to renew its operating permit. Pomp's Tire Service, Inc. was issued its second FESOP Renewal, F089-15270-00255, on October 15, 2002.

Permitted Emission Units and Pollution Control Equipment

- (a) Tire Buffing Machine with a maximum design rate of 17 tires/hr, using a B & J Pollution Control System, constructed on December 7, 1995.
- (b) Universal Spray Cementing Process with a maximum design rate of 0.93 gallons/hr, using dry filters for particulate matter overspray control, constructed on December 7, 1995.
- (c) Air Spray Painting Process with a maximum design rate of 0.4 gallons/hr, constructed on December 7, 1995.

Emission Units and Pollution Control Equipment Constructed and/or Operated without a Permit

There are no unpermitted emission units operating at this source during this review process.

Emission Units and Pollution Control Equipment Removed From the Source

There are no emission units that were removed from the source.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (1) Space heaters, process heaters, or boilers using the following fuels: natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour.
-Two (2) Armstrong, natural gas-fired space heaters, each rated at 150,000 Btu per hour.
- (2) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings.
- (3) Cleaners and solvents characterized as follows: having a vapor pressure equal to or less than 0.7 kPa: 5 mm Hg: or 0.1 psi measured at 20°C (68°F): the use of which for all cleaners and solvents combined does not exceed 145 gallons per month.
- (4) Blowdown for any of the following: sight glass, boiler, compressors, pumps, and cooling tower.
- (5) Other activities or categories not previously identified:

One (1) Repair Cementing Process which includes four (4) stations used in repairing "injuries" in the tires. Maximum application rate is 0.005 gallons per hour. Emissions from this process are less than the following thresholds:

Particulate Matter (PM) = 5 lbs/hour or 25 lbs/day
Volatile Organic Compounds (VOC) = 3 lbs/hour or 15 lbs/day

Existing Approvals

Since the issuance of the FESOP Renewal (F089-15270-00255) on October 15, 2002, the source has constructed or has been operating under the following approvals as well:

- (a) Administrative Amendment No. (089-19422-00255) issued on July 2, 2004.

All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

Enforcement Issue

There are no enforcement actions pending.

Stack Summary

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (°F)
Tire Buffing Machine	Tire Buffing Machine	19.6	10.3	2000	110
Universal Spray Cementing	Universal Spray Cementing	10	2	5900	100

Emission Calculations

See Appendix A of this document for detailed emission calculations (pages 1 through 5).

County Attainment Status

The source is located in Lake County

Pollutant	Status
PM ₁₀	Attainment
PM _{2.5}	Nonattainment
SO ₂	Attainment
NO ₂	Unclassifiable/Attainment
8-hour Ozone	Moderate Nonattainment
CO	Unclassifiable/Attainment
Lead	Attainment

- (a) U.S. EPA in Federal Register Notice 70 FR 943 dated January 5, 2005 has designated Lake County as nonattainment for PM_{2.5}. On March 7, 2005 the Indiana Attorney General's Office on behalf of IDEM filed a law suit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of non-attainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for violation of the Clean Air Act, the OAQ is following the U.S. EPA's guidance to regulate PM₁₀ emissions as a surrogate for PM_{2.5} emissions pursuant to the Non-attainment New Source Review requirements. See the State Rule Applicability – Entire Source section.
- (b) Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone.
 - (1) On December 22, 2006 the United States Court of Appeals, District of Columbia issued a decision which served to partially vacate and remand the U.S. EPA's final rule for implementation of the eight-hour National Ambient Air Quality Standard for ozone. *South Coast Air Quality Mgmt. Dist.v. EPA*, 472 F.3d 882 (D.C. Cir., December 22, 2006), *rehearing denied* 2007 U.S. App. LEXIS 13748 (D.C. Cir., June 8, 2007). The U.S. EPA has instructed IDEM to issue permits in accordance with its interpretation of the *South Coast* decision as follows: Gary-

Lake-Porter County was previously designated as a severe non-attainment area prior to revocation of the one-hour ozone standard, therefore, pursuant to the anti-backsliding provisions of the Clean Air Act, any new or existing source must be subject to the major source applicability cut-offs and offset ratios under the area's previous one-hour standard designation. This means that a source must achieve the Lowest Achievable Emission Rate (LAER) if it exceeds 25 tons per year of VOC emissions and must offset any increase in VOC emissions by a decrease of 1.3 times that amount.

On January 26, 1996 in 40 CFR 52.777(i), the U.S. EPA granted a waiver of the requirements of Section 182(f) of the CAA for Lake and Porter Counties including the lower NOx threshold for nonattainment new source review. Therefore, VOC emissions alone are considered when evaluating the rule applicability relating to 1-hour ozone standards. Therefore, VOC emissions were reviewed pursuant to the requirements for nonattainment new source review. See the State Rule Applicability for the source section.

- (2) VOC and NOx emissions are considered when evaluating the rule applicability relating to the 8-hour ozone standard. Lake County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3. See the State Rule Applicability – Entire Source section.
- (c) Lake County has been classified as attainment or unclassifiable in Indiana for particulates less than ten (10) microns in diameter (PM10), sulfur dioxides (SO₂), nitrogen oxides (NO₂), carbon monoxide (CO), and Lead (Pb). Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.
- (d) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are not counted toward determination of PSD or Emission Offset applicability.

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Pollutant	tons/year
PM	443.53
PM-10	443.53
SO ₂	negligible
VOC	22.82
CO	negligible
NO _x	0.13

HAPs	tons/year
Toluene	0.0383
Trichloroethylene	0.2280
Total	0.2663

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of PM-10 is equal to or greater than 100 tons per year. The source is subject to the provisions of 326 IAC 2-7. However, the source will limit its PM-10 emissions to less than Title V levels; therefore, the source will be issued a FESOP.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of all other criteria pollutants are less than 100 tons per year.
- (c) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is less than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is less than twenty-five (25) tons per year.

Fugitive Emissions

Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-7, fugitive emissions are not counted toward the determination of Part 70 applicability.

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2006 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	4.21
PM-10	1.10
SO ₂	-
VOC	0.17
CO	-
NO _x	-
HAP	0

Potential to Emit After Issuance

The source has opted to remain a FESOP source. The table below summarizes the potential to emit, reflecting all limits of the emission units. Any control equipment is considered enforceable only after issuance of this FESOP and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/emission unit	Potential To Emit (tons/year)						
	PM	PM-10	SO ₂	VOC	CO	NO _x	HAPs
Tire Buffing Machine	13.14	2.19	-	-	-	-	-
Universal Spray Cementing	3.25	3.25	-	21.19	-	-	-
Air Spray Painting	2.26	2.26	-	0.12	-	-	-
Total Emissions	18.65	7.70	-	21.31	-	-	-

The source's particulate emissions will be limited to the particulate emissions as calculated after controls based on information submitted in the application and per the Hammond Air Quality Control Ordinance No. 3522 (as amended).

- (a) This existing stationary source is not major for 326 IAC 2-2, PSD because the emissions of each attainment pollutant are less than two hundred fifty (<250) tons per year, and it is not one of the twenty-eight (28) listed source categories.
- (b) This existing stationary source is not major for 326 IAC 2-3, Emission Offset because the emissions of VOC are less than twenty-five (<25) tons per year.
- (c) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are not counted toward the determination of PSD and Emission Offset applicability.

Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit for this source.

The requirements of the New Source Performance Standard for Standards of Performance for the Rubber Tire Manufacturing Industry, 40 CFR 60.540 – 60.548, Subpart BBB, are not included in the permit for the tire retreading and repair shop because this source does not contain operations which are listed under rubber tire manufacturing.

- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 326 IAC 20 and 40 CFR Part 61, 40 CFR Part 63) included in this permit renewal because it is not a major source for HAPs.

State Rule Applicability - Entire Source

326 IAC 1-6-3 (Preventive Maintenance Plan)

The source submitted a Preventive Maintenance Plan (PMP) on March 13, 1998. This PMP has been verified to fulfill the requirements of 326 IAC 1-6-3 (Preventive Maintenance Plan).

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

This source, constructed in 1995, is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, and had uncontrolled potentials to emit of PM emissions greater than 250 tons per year. However, the PM emissions from the Tire Buffing Machine have been controlled, and actual PM emission levels are less than 250 tons per year. Pursuant to 326 IAC 2-8-4, PM10 shall be limited to less than 100 tons per year, which will also render 326 IAC 2-2 not applicable to this source for PM10. A federally enforceable PM emissions limit of 250 tons per year, will be established by this permit to render 326 IAC 2-2, PSD not applicable.

The PM emissions from the Tire Buffing Machine shall be limited to 2.999 lbs/hr. Compliance with the above limit in combination with the potential PM emission from the Universal Spray Cementing, Air Spray Painting, and the insignificant activities will limit the source-wide PM emissions to less than 250 tons per twelve (12) consecutive month period with compliance

determined at the end of each month, and will render 326 IAC 2-2, PSD not applicable to this source.

326 IAC 2-3 (Emission Offset)

This existing source is not major for 326 IAC 2-3, Emission Offset because the emissions of VOC are less than twenty-five (<25) tons per year and the emissions of NOx are less than 100 tons per year in this nonattainment area for 8-hour ozone.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

The operation of the Tire Retreading and Repair Shop will emit less than 10 tons per year of a single HAP and less than 25 tons per year of a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)

This source, located in Lake County, does not emit volatile organic compounds (VOC) or oxides of nitrogen (NOx) at levels equal to or greater than twenty-five (25) tons per year. Therefore, 326 IAC 2-6 does not apply.

However, pursuant to the Hammond Ordinance No. 7102, the source will be required to submit an annual emission inventory containing the production information necessary to determine compliance and confirm the source classification and permit level. The emission inventory must be received by April 15th of each year. The submittal should cover the twelve (12) consecutive month time period starting January 1 and ending December 31. This is a local requirement only.

326 IAC 2-8-4 (FESOP)

Pursuant to this rule, the amount of PM10 emissions shall be less than one hundred (100) tons per year. A federally enforceable PM10 emission limit of 100 tons per year, will be established by this permit.

The PM10 emissions from the Tire Buffing Machine shall be limited to 0.5 lbs/hr. Compliance with this limit in combination with the potential PM10 emissions from the Universal Spray Cementing, Air Spray Painting, and the insignificant activities will ensure that the source-wide potential to emit of PM10 will be less than 100 tons per twelve (12) consecutive month period, with compliance determined at the end of each month and will render 326 IAC 2-7, Part 70 not applicable to this source.

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in the permit:

- (a) Opacity shall not exceed an average of twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

State Rule Applicability – Individual Facilities

326 IAC 6.8-1-1 (Particulate Matter Limitations for Lake County – Applicability)

Pursuant to 326 IAC 6.8-1-1 (Particulate Matter Limitations for Lake County – Applicability), sources or facilities that are: (1) located in Lake County; (2) but which sources or facilities are not specifically listed in 326 IAC 6.8-2 through 326 IAC 6.8-11 of this rule; but (3) have the potential to emit one hundred (100) tons or more of particulate matter per year or have actual emissions of ten (10) tons or more of particulate matter per year; shall comply with limitations of applicable sections that follow.

This rule is applicable to this source because it is located in Lake County and has the potential to emit one hundred (100) tons or more of particulate matter per year. However, the source's potential to emit particulate matter is being limited to less than 100 tons per year per the FESOP. The source's particulate emissions will be limited to the particulate emissions as calculated after controls based on information submitted in their application and per the Hammond Air Quality Control Ordinance No. 3522 (as amended). Therefore, the source is not subject to 326 IAC 6.8.

326 IAC 8-1-6 (New facilities; general reduction requirements)

No facility at this source is applicable to this rule because the source does not emit or have the potential to emit volatile organic compounds (VOCs) at levels equal to or greater than twenty-five (25) tons per year.

326 IAC 8-5-4 (Pneumatic rubber tire manufacturing)

This rule does not apply to this source because the source does not contain operations that are listed within this rule.

326 IAC 8-7-2 (Specific VOC Reduction Requirements for Lake, Porter, Clark, and Floyd Counties – Applicability)

This rule does not apply to this source because the source does not emit or have the potential to emit volatile organic compounds (VOCs) at levels equal to or greater than twenty-five (25) tons per year (tpy) in Lake County.

Local Rule Applicability

Hammond Air Quality Control Ordinance No. 3522 (as amended)

Pursuant to the Hammond Air Quality Control Ordinance No. 3522 (as amended) and Construction and Operation Permits previously issued to the source, the Tire Buffing Machine, Universal Spray Cementing, and Air Spray Painting Processes shall be limited to the potential Particulate Matter less than 10 microns in diameter (PM10) and Volatile Organic Compound emissions after controls.

Pursuant to the Hammond Air Quality Control Ordinance No. 3522 (as amended), the total input of volatile organic compounds (VOC) from the Universal Spray Cementing and Air Spray Painting Processes shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period. This is locally enforceable only.

Any change or modification which may increase potential emissions of VOC to above 25 tons per twelve (12) consecutive month period must be approved by HDEM before any such change may occur.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

All compliance requirements from previous approvals were incorporated into this FESOP. The compliance monitoring requirements applicable to this source are as follows:

1. The Tire Buffing Machine has applicable compliance monitoring conditions as specified below:

Control	Parameter	Frequency	Range	Excursions and Exceedances
B & J Pollution Control System (Tire Buffing Machine)	Visible Emissions	Daily	Normal-Abnormal	Response Steps

- a) Once per day inspections of the Tire Buffing Machine exhaust from the B & J Pollution Control System which consists of one (1) flexible hose venting out the South side of the building into a 46,000-lb capacity semitrailer equipped with a furnace-type filter. The source shall assure that the hose and filter are intact and in good working order prior to operation of the Tire Buffing Machine. A record of the observations shall be kept and made available upon request by HDEM or IDEM, OAQ within thirty (30) days after the request is made. This is a local requirement only.
- b) Monthly reports of the process throughputs and PM and PM10 emissions calculations shall be submitted to HDEM and IDEM, OAQ, Compliance Section on a quarterly basis. Compliance with the PM and PM10 limits shall be determined on a twelve (12) consecutive month period.

These monitoring conditions are necessary because the particulate matter control equipment associated with the Tire Buffing Machine must be operated properly to ensure compliance with Hammond Air Quality Control Ordinance No. 3522 (as amended) and 326 IAC 2-8 (FESOP).

2. The Universal Spray Cementing Process has applicable compliance monitoring conditions as specified below:
 - a) The dry filters for particulate matter overspray control shall be maintained in accordance with the manufacturer's recommendations and shall be in operation at all times when the cement process is in operation.
 - b) Daily inspections shall be performed to verify the placement, integrity, and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the Universal Spray Cementing Process stack while the process is in operation. Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.
 - c) Monthly reports of the quantity of Universal Spray Cement used and the total tons of VOCs emitted for each compliance period shall be submitted to HDEM and IDEM, OAQ, Compliance Section on a quarterly basis. Each compliance period shall be the consecutive twelve (12) month period that includes the most recent month and the previous eleven (11) months.
 - d) PM and PM10 emissions calculations shall be submitted to HDEM and IDEM, OAQ, Compliance Section on a quarterly basis. Compliance with the PM and PM10 limits shall be determined on a twelve (12) consecutive month period.

These monitoring conditions are necessary to ensure compliance with the requirements of the Hammond Air Quality Control Ordinance No. 3522 (as amended) and 326 IAC 2-8 (FESOP).

3. The Air Spray Painting process has applicable compliance monitoring conditions as specified below:
 - a) Monthly reports of the quantity of paint used and the total tons of VOCs emitted for each compliance period shall be submitted to HDEM and IDEM, OAQ, Compliance Section on a quarterly basis. Each compliance period shall be the consecutive twelve (12) month period that includes the most recent month and the previous eleven (11) months. This is a local requirement only.
 - b) PM and PM10 emissions calculations shall be submitted to HDEM and IDEM, OAQ, Compliance Section on a quarterly basis. Compliance with the PM and PM10 limits shall be determined on a twelve (12) consecutive month period.

These monitoring conditions are necessary to ensure compliance with the requirements of the Hammond Air Quality Control Ordinance No. 3522 (as amended) and 326 IAC 2-8 (FESOP).

Recommendation

The staff recommends to the Commissioner that the FESOP Renewal be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on December 13, 2006.

Conclusion

The operation of this **Tire Retreading and Repair Shop** shall be subject to the conditions of the attached **FESOP Renewal No. F089-24052-00255**.

Appendix A: Source Emissions Calculations

Plant ID: 089-00255
Source Name: Pomp's Tire Service Inc.
 7930 New Jersey Avenue
 Hammond, Indiana 46323

REC'D DATE: 4/9/07
 CAL DATE: 7/17/07

NO. OF POINTS: 6
 NO. OF SEGMENTS: 6

Calculations By: Kristina Massey

****NOTES****

EF: EMISSION FACTOR MDR: MAXIMUM DESIGN RATE Ts: STACK DISCHARGE TEMPERATURE
 CE: CONTROL EFFICIENCY MDC: MAXIMUM DESIGN CAPACITY UNITS FOR EMISSIONS ARE IN (TPY) EXCEPT WHERE GIVEN

Point No. 1: Tire Buffing Machine

(Segment No. 1) MDR (mTires/hr): 0.017 STACK ID (DIAM:HEIGHT): 10.3' : 19.6'
 CNTRL DEV: B & J Spray System YEARLY PROD (mTires/yr): 42.269 FLOWRATE (ACFM): 2000
 (Equip. installed 12/7/95) Ts(°F): 110

		PERMITTED OPERATING HRS: 8760 hr/yr		POTENTIAL TO EMIT (PTE)					ALLOWABLE	
SCC NO. 3-08-005-01		BEFORE CONTROLS			AFTER CONTROLS					
POLLUTANT	EF(lb/mTires)	CE (%)	(lbs/hr)	(lbs/day)	(TPY)	(lbs/hr)	(TPY)	(gr/dscf)	(lbs/hr)	(TPY)
PM	5882	0.97	99.9940	2,399.8560	437.9737	2.9998	13.1392	0.1882	2.9998	13.1392
PM10	5882	0.995	99.9940	2,399.8560	437.9737	0.5000	2.1899	0.0314	0.5000	2.1899
SOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000
NOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000
VOC	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000
CO	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000
HAPs	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000

*This point is classed "Major" according to potential PM and PM10 emissions.

Opacity: 326 IAC 5-1-2(2)(B): 20%
 PM & PM10: Hammond AQC Ordinance No. 3522 (as amended)
 Construction Permit #543 issued 12/7/95
 Operation Permit #00578

- Emission Factor for Particulate Matter Emissions derived from stack test results at a similar plant.
 Total Particulate Emissions = 0.14 lb/hr; C.E. = 99.86%; EF back calc.: 0.14/((1-0.9986)/0.017 = 5882 lb/mTires

APC 1-Filter (20' X 20' Aerostar 3-Ply Filter, Series 15/40): Gradation of Shredded Tires performed 7/14/98.
 PM: 97% C.E. (As per Gradation Report, 3% of chips pass a 100 mesh sieve - 150 micron sieve).
 PM10: 99.5% C.E. (As per Gradation Report, 0.5% of chips pass a 200 mesh sieve - 75 micron sieve).

Appendix A: Source Emissions Calculations

Point No. 2: Universal Spray Cementing

(Segment No. 1)
 CNTRL DEV: None

MDR (gal/hr): 0.93
 YEARLY PROD (gal/yr): 56

STACK ID (DIAM:HEIGHT): 2' : 10'
 FLOWRATE (ACFM): 5900
 Ts("F): 100

POLLUTANT	EF (lb/gal)	CE (%)	PERMITTED OPERATING HRS: 8760 hr/yr		POTENTIAL TO EMIT (PTE)			ALLOWABLE		
			BEFORE CONTROLS			AFTER CONTROLS				
			(lbs/hr)	(lbs/day)	(TPY)	(lbs/hr)	(TPY)	(gr/dscf)	(lbs/hr)	(TPY)
PM	0.798	0	0.7421	17.8114	3.2506	0.7421	3.2506	0.0155	0.7421	3.2506
PM10	0.798	0	0.7421	17.8114	3.2506	0.7421	3.2506	0.0155	0.7421	3.2506
SOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000
NOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000
VOC	5.202	0	4.8379	116.1086	21.1898	4.8379	21.1898	N/A	4.8379	21.1898
CO	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000
HAPs	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000

*This point is classed "State Registered" according to potential VOC emissions.

PM & PM10: Hammond AQC Ordinance No. 3522 (as amended)
 VOC: Hammond AQC Ordinance No. 3522 (as amended)

Manufacturer: Bandag, Inc.
 Bandag Universal Spray Cement: VOC content = 86.7% by wt (5.202 lbs/gal)
 Density = 6 lbs/gal
 13.3% solids (0.798 lbs/gal)

-Applied mostly by spray, some brush.
 Transfer Efficiency = 85%

Equipment was installed December 7, 1995.

Appendix A: Source Emissions Calculations

Point No. 3: Air Spray Painting

(Segment No. 1)
 CNTRL DEV: None

MDR (gal/hr): 0.4
 YEARLY PROD (gal/yr): 705

STACK ID (DIAM:HEIGHT): No Stack
 FLOWRATE (ACFM):
 Ts(°F):

(E.F. - See Below)			PERMITTED OPERATING HRS: 8760 hr/yr						*****		
SCC NO. 4-02-002-10			POTENTIAL TO EMIT (PTE)						ALLOWABLE		
POLLUTANT	EF (lb/gal)	CE (%)	BEFORE CONTROLS			AFTER CONTROLS			(lbs/hr)	(TPY)	
			(lbs/hr)	(lbs/day)	(TPY)	(lbs/hr)	(TPY)	(gr/dscf)			
PM	1.29	0	0.5160	12.3840	2.2601	0.5160	2.2601	N/A	0.5160	2.2601	
PM10	1.29	0	0.5160	12.3840	2.2601	0.5160	2.2601	N/A	0.5160	2.2601	
SOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000	
NOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000	
VOC	0.067	0	0.0268	0.6432	0.1174	0.0268	0.1174	N/A	0.0268	0.1174	
CO	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000	
HAPs	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000	

*This point has potential emissions below the State's registration thresholds.

PM & PM10: Hammond AQC Ordinance No. 3522 (as amended)
 VOC: Hammond AQC Ordinance No. 3522 (as amended)

Manufacturer: Stoner, Inc.
 E839 Black Tire Paint(BTP) Universal: VOC content = .8% by wt (0.067 lbs/gal)
 Density = 8.32 lbs/gal
 15.5% solids (1.29 lbs/gal)

-Applied by spray.

Equipment was installed December 7, 1995.

Point No. 4: Bandag Solvent (*Designated as an Insignificant Activity)

(Segment No. 1)
 CNTRL DEV: None

MDR (gal/hr): 0.05
 YEARLY PROD (gal/yr): 0

STACK ID (DIAM:HEIGHT): No Stack
 FLOWRATE (ACFM):
 Ts(°F):

(E.F. - See Below)			PERMITTED OPERATING HRS: 8760 hr/yr						*****		
SCC NO. 4-02-009-98			POTENTIAL TO EMIT (PTE)						ALLOWABLE		
POLLUTANT	EF (lb/gal)	CE (%)	BEFORE CONTROLS			AFTER CONTROLS			(lbs/hr)	(TPY)	
			(lbs/hr)	(lbs/day)	(TPY)	(lbs/hr)	(TPY)	(gr/dscf)			
PM	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000	
PM10	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000	
SOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000	
NOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000	
VOC	5.82	0	0.2910	6.9840	1.2746	0.2910	1.2746	N/A	0.2910	1.2746	
CO	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000	
HAPs	0.175	0	0.0088	0.2100	0.0383	0.0088	0.0383	N/A	0.0088	0.0383	

*This point has potential emissions below the State's registration thresholds.

VOC: Hammond AQC Ordinance No. 3522 (as amended)

Manufacturer: Phillips Petroleum
 Bandag Solvent: VOC content = 100% by wt (5.82 lbs/gal)
 Density = 5.82 lbs/gal
 Toluene 3% by wt (0.175 lbs/gal)

-Material wiped on.

Equipment was installed December 7, 1995.

Appendix A: Source Emissions Calculations

Point No. 5: Repair Cementing (* Designated as an Insignificant Activity)

(Segment No. 1)
 CNTRL DEV: None

MDR (gal/hr): 0.005
 YEARLY PROD (gal/yr): 0.0

STACK ID (DIAM:HEIGHT): No Stack
 FLOWRATE (ACFM):
 Ts(°F):

			PERMITTED OPERATING HRS: 8760 hr/yr							
			POTENTIAL TO EMIT (PTE)			AFTER CONTROLS			ALLOWABLE	
			BEFORE CONTROLS			AFTER CONTROLS				
POLLUTANT	EF (lb/gal)	CE (%)	(lbs/hr)	(lbs/day)	(TPY)	(lbs/hr)	(TPY)	(gr/dscf)	(lbs/hr)	(TPY)
PM	1.69	0	0.0085	0.2028	0.0370	0.0085	0.0370	N/A	0.0085	0.0370
PM10	1.69	0	0.0085	0.2028	0.0370	0.0085	0.0370	N/A	0.0085	0.0370
SOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000
NOx	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000
VOC	10.41	0	0.0521	1.2492	0.2280	0.0521	0.2280	N/A	0.0521	0.2280
CO	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	0	0.0000
HAPs	10.41	0	0.0521	1.2492	0.2280	0.0521	0.2280	N/A	0.0521	0.2280

*This point has potential emissions below the State's registration thresholds.

PM & PM10: Hammond AQC Ordinance No. 3522 (as amended)
 VOC: Hammond AQC Ordinance No. 3522 (as amended)

Manufacturer: Rema Tip Top/North America, Inc.

Bandag C.O.I. Patch Cement and Special Blue Cement: VOC content = 86% by wt (10.41 lbs/gal)

Density = 12.1 lbs/gal

14% solids (1.69 lbs/gal)

Trichloroethylene 86% by wt (10.41 lb/gal)

-Applied by brush.

Equipment was installed December 7, 1995.

Point No. 6: Two (2) Armstrong Space Heaters (* Designated as an Insignificant Activity)

(Segment No. 1)
 (Natural Gas Combustion)
 CNTRL DEV: NONE

MDC (mmBtu/hr): 0.3
 MDR (mmcf/hr): 0.0003

HEAT CONTENT (Btu/cft): 1,050
 QTY BURNED (mmcf/yr): 0

STACK ID (DIAM:HEIGHT):
 FLOWRATE (ACFM):
 Ts(°F):

			PERMITTED OPERATING HRS: 8760 hr/yr							
			POTENTIAL EMISSIONS			AFTER CONTROLS			ALLOWABLE	
			BEFORE CONTROLS			AFTER CONTROLS				
POLLUTANT	EF (lbs/mmcf)	CE (%)	(lbs/hr)	(lbs/day)	(TPY)	(lbs/hr)	(TPY)	(gr/dscf)	(lbs/hr)	(TPY)
PM	3	0	0.0009	0.0206	0.0038	0.0009	0.0038	N/A	0.0009	0.0038
PM10	3	0	0.0009	0.0206	0.0038	0.0009	0.0038	N/A	0.0009	0.0038
SOx	0.6	0	0.0002	0.0041	0.0008	0.0002	0.0008	N/A	0.0002	0.0008
NOx	100	0	0.0286	0.6857	0.1251	0.0286	0.1251	N/A	0.0286	0.1251
VOC	5.3	0	0.0015	0.0363	0.0066	0.0015	0.0066	N/A	0.0015	0.0066
CO	20	0	0.0057	0.1371	0.0250	0.0057	0.0250	N/A	0.0057	0.0250
LEAD	---	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*This point has potential emissions below the State's registration thresholds.

Hammond AQC Ordinance No. 3522 (as amended)

Equipment was installed December 7, 1995.

SOURCE TOTALS:

POLLUTANT	POTENTIAL TO EMIT (PTE)						ALLOWABLE	
	BEFORE CONTROLS			AFTER CONTROLS			(lbs/hr)	(TPY)
	(lbs/hr)	(lbs/day)	(TPY)	(lbs/hr)	(TPY)	(gr/dscf)		
PM	101.2614	2,430.2747	443.5251	4.2673	18.6906	N/A	4.2673	18.6906
PM10	101.2614	2,430.2747	443.5251	1.7674	7.7413	N/A	1.7674	7.7413
SOx	0.0002	0.0041	0.0008	0.0002	0.0008	N/A	0.0002	0.0008
NOx	0.0286	0.6857	0.1251	0.0286	0.1251	N/A	0.0286	0.1251
VOC	5.2092	125.0214	22.8164	5.2092	22.8164	N/A	5.2092	22.8164
CO	0.0057	0.1371	0.0250	0.0057	0.0250	N/A	0.0057	0.0250
HAPs	0.0608	1.4592	0.2663	0.0608	0.2663	N/A	0.0608	0.2663

*This source is class "Major" according to potential PM and PM10 emissions (before controls).

Overall Source Limits:

- PM: 19 TPY
- PM10: 8 TPY
- VOC: 25 TPY
- Single HAP: 10 TPY
- Combined HAPs: 25 TPY
- All Other Regulated Pollutants: 100 TPY

Insignificant Activities

The source includes the following insignificant activities:

- 1) Space heaters, process heaters, or boilers using the following fuels: natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour.
 -Two (2) Armstrong, natural gas-fired space heaters, each rated at 150,000 Btu per hour.
- 2) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings.
- 3) Cleaners and solvents characterized as follows: having a vapor pressure equal to or less than 0.7 kPa: 5 mm Hg; or 0.1 psi measured at 20°C (68°F); the use of which for all cleaners and solvents combined does not exceed 145 gallons per month.
- 4) Blowdown for any of the following: sight glass, boiler, compressors, pumps, and cooling tower.
- 5) Other activities or categories not previously identified:
 One (1) Repair Cementing Process which includes four (4) stations used in repairing "injuries" in the tires. Maximum application rate is 0.005 gallons per hour.
 Emissions from this process are less than the following thresholds:
 Particulate Matter (PM) = 5 lbs/hour or 25 lbs/day
 Volatile Organic Compounds (VOC) = 3 lbs/hour or 15 lbs/day