



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant
DATE: March 21, 2007
RE: Hoosier Tire & Rubber, Corp / 099-21155-00052
FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval – Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-6-1(b) or IC 13-15-6-1(a) require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204.

For an **initial Title V Operating Permit**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **thirty (30)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(b).

For a **Title V Operating Permit renewal**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **fifteen (15)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(a).

The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of an initial Title V operating permit, permit renewal, or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impracticable to raise such issues, or if the grounds for such objection arose after the comment period.

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency
401 M Street
Washington, D.C. 20406

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.



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Part 70 Operating Permit Renewal OFFICE OF AIR QUALITY

**Hoosier Tire & Rubber Corp.
2307 Pidco Drive
Plymouth, Indiana 46563**

(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. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. 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.

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 2-7 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.: T099-21155-00052	
Original signed by: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: March 21, 2007 Expiration Date: March 21, 2012

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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) . 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 2-7-4(c)][326 IAC 2-7-5(15)][326 IAC 2-7-1(22)]

The Permittee owns and operates a rubber tire manufacturing plant.

Responsible Official:	Donald Newton
Source Address:	2307 Pidco Drive, Plymouth, IN 46563
Mailing Address:	P.O. Box 38, Lakeville, Indiana 46536
General Source Phone Number:	574-936-5810
SIC Code:	3011
County Location:	Marshall
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)]

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

- (a) Rubber mixing facility, identified as EU1 for mixing raw materials with a maximum processing rate of 3000 pounds per hour, with particulate matter emissions controlled by two (2) baghouses, identified as DC-1 and DC-2;
- (b) Eight (8) tire curing presses, identified as Process EU2, with a total maximum rate of processing forty-eight (48) tires per hour;
- (c) One (1) paint spray booth, identified as EU3, constructed in July 1995, for painting/stenciling of tires, using dry filters as overspray control, and exhausting through S/V#1;
- (d) Twelve (12) tire curing presses, identified as Process EU4, constructed in March of 1995, with a total maximum rate of processing 72 tires per hour;
- (e) One (1) paint spray booth, identified as EU5, constructed in July of 1995, for painting/stenciling of tires, using dry filters as overspray control, and exhausting through S/V#9;
- (f) Four (4) tire curing presses, identified as Process EU6, constructed in January of 2000, with a total maximum rate of processing 24 tires per hour;
- (g) One (1) paint spray booth, identified as EU7, constructed in January of 2000, for painting/stenciling of tires, using dry filters as overspray control, and exhausting through S/V#17;
- (h) One (1) natural gas-fired boiler, rated at 10.46 million British thermal units (mmBtu) per hour, constructed in 1999, and exhausting through one stack identified as S/V#20;

- (i) One (1) tire press system, identified as EU8, constructed in April of 2005; and
- (j) One (1) tire press/pad printer system, identified as EU9, constructed in April of 2005.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(15)]

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

- (a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5]

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 – Applicability).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

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 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

-
- (a) This permit, 099-21155-00052, is issued for a fixed term of five (5) 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, 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, including any permit shield provided in 326 IAC 2-7-15, 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 2-7-7]

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, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability [326 IAC 2-7-5(5)]

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 2-7-5(6)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

-
- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ 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 the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (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 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

- (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 the "responsible official" 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) the "Responsible official" is defined at 326 IAC 2-7-1(34).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

- (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 July 1 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

- (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 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;
 - (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 2-7-5(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)][326 IAC 1-6-3]

- (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 upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ 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 the "responsible official" as defined by 326 IAC 2-7-1(34).
- (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.11 Emergency Provisions [326 IAC 2-7-16]

- (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.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a 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 Northern 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

Northern Regional Office phone: (574) 245-4870; fax: (574) 245-4877.

- (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
Indianapolis, Indiana 46204-2251

and

Northern Regional Office
220 W. Colfax Avenue., Ste 200
South Bend, Indiana 46601-1634

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 2-7-5(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 the "responsible official" as defined by 326 IAC 2-7-1(34).

- (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 may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.
 - (f) Failure to notify IDEM, OAQ 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 2-7 and any other applicable rules.
 - (g) 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.
 - (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced 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 Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
- (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
 - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
 - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

- (a) All terms and conditions of permits established prior to 099-21155-00052 and issued pursuant to permitting programs approved into the state implementation plan have been either:
- (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

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 2-7-3 and 326 IAC 2-7-4(a).

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(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
Indianapolis, Indiana 46204-2251

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 do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (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 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 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 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, 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 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ, 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 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.17 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-7-4. 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 the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

- (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, 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 2-7 until IDEM, OAQ 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 any additional information identified as being needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12][40 CFR 72]

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 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

Indianapolis, Indiana 46204-2251

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

- (a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.20 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) 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 preconstruction approval required by 326 IAC 2-7-10.5 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
Indianapolis, Indiana 46204-2251

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 2-7-

20(b),(c), or (e). 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 in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:
- (1) A brief description of the change within the source;
 - (2) The date on which the change will occur;
 - (3) Any change in emissions; and
 - (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-7-20(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 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(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 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) 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.21 Source Modification Requirement [326 IAC 2-7-10.5]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.

B.22 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a Part 70 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 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

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 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.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 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
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, 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, the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), 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.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][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 2-7-5(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

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 forty percent (40%) 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. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable

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 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.7 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
Indianapolis, Indiana 46204-2251

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 the "responsible official" as defined by 326 IAC 2-7-1(34).

- (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 2-7-6(1)]

C.8 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
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (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 the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, 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.9 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 2-7-5(1)][326 IAC 2-7-6(1)]

C.10 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(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
Indianapolis, Indiana 46204-2251

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 the

"responsible official" as defined by 326 IAC 2-7-1(34).

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

C.11 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.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(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 2-7-5][326 IAC 2-7-6]

C.13 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) Upon direct notification by IDEM, OAQ 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.14 Risk Management Plan [326 IAC 2-7-5(12)] [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.15 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

(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.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

- (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 and 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 the "responsible official" as defined by 326 IAC 2-7-1(34).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

- (a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2007 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
 - (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
 - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC

2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

The emission statement does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The emission statement 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 on or before the date it is due.

C.18 General Record Keeping Requirements[326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

- (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 makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner 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.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

- (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 the "responsible official" as defined by 326 IAC 2-7-1(34).
- (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
Indianapolis, Indiana 46204-2251
- (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, 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 the "responsible official" as defined by 326 IAC 2-7-1(34).
- (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. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

C.20 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:

- (a) Rubber mixing facility, identified as EU1 for mixing raw materials with a maximum processing rate of 3000 pounds per hour, with particulate matter emissions controlled by two (2) baghouses, identified as DC-1 and DC-2;

(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 2-7-5(1)]

D.1.1 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) emissions from the mixing operation, EU1, with a maximum process rate of 3000 lbs/hr shall be limited by the following:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$\begin{aligned} E &= 4.10 P^{0.67} & \text{where } E &= \text{rate of emission in pounds per hour} \\ &= 4.10 \times (3000/2000)^{0.67} & P &= \text{process weight rate in tons per hour} \\ &= 5.4 \text{ lbs/hr} \end{aligned}$$

D.1.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this operation and its control device.

Compliance Determination Requirements

D.1.3 Particulate Matter [326 IAC 2-1.1-11]

The baghouses, DC-1 and DC-2, shall be in operation at all times the mixing process is in operation in order to comply with Condition D.1.1.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.4 Broken or Failed Bag Detection

- (a) For a single compartment baghouse-controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the rubber mixing facility. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

D.1.5 Monitoring

The mixing operation, EU1, has applicable compliance monitoring conditions as specified below:

- (a) Visible Emissions Notations
 - (1) Visible emission notations of the mixing operation (EU1) stack exhaust shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
 - (2) 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.
 - (3) 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.
 - (4) 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.
 - (5) 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.

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.6 Record Keeping Requirements

- (a) To document compliance with Condition D.1.5, the Permittee shall maintain records of daily visible emission notations of the baghouse exhaust.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (b) Eight (8) tire curing presses, identified as Process EU2, with a total maximum rate of processing forty-eight (48) tires per hour;
- (c) One (1) paint spray booth, identified as EU3, constructed in July 1995, for painting/stenciling of tires, using dry filters as overspray control, and exhausting through S/V#1;
- (d) Twelve (12) tire curing presses, identified as Process EU4, constructed in March of 1995, with a total maximum rate of processing 72 tires per hour;
- (e) One (1) paint spray booth, identified as EU5, constructed in July of 1995, for painting/stenciling of tires, using dry filters as overspray control, and exhausting through S/V#9;
- (f) Four (4) tire curing presses, identified as Process EU6, constructed in January of 2000, with a total maximum rate of processing 24 tires per hour;
- (g) One (1) paint spray booth, identified as EU7, constructed in January of 2000, for painting/stenciling of tires, using dry filters as overspray control, and exhausting through S/V#17;
- (i) One (1) tire press system, identified as EU8, constructed in April of 2005; and
- (j) One (1) tire press/pad printer system, identified as EU9, constructed in April of 2005.

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

D.2.1 Particulate Matter (PM) [326 IAC 6-3-2]

- (a) Pursuant to 326 IAC 6-3-2(d), the particulate matter (PM) overspray emissions paint spray booths (EU 3, 5, and 7) shall be controlled by a dry particulate filter. Said control device shall be operated according to the manufacturer's specifications.
- (b) Pursuant to 326 IAC 6-3-2(e), the particulate matter (PM) emissions from the tire curing operations, EU2, EU4, and EU6, shall be limited by the following:

Interpolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

D.2.2 Volatile Organic Compounds (VOC) Limitations [326 IAC 8-1-6] [326 IAC 2-7-10.5]

- (a) The VOC usages at process EU4 and paint spray booth EU5 shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period with compliance determined at the end of each month. Therefore, the best available control technology (BACT) requirements in 326 IAC 8-1-6 (New Facilities: General Reduction Requirements) do not apply.

- (b) Any change or modification to process EU2 and paint spray booth EU3 which may increase potential VOC emissions from EU2 and EU3 to 25 tons per year shall obtain a source modification pursuant to 326 IAC 2-7-10.5 before such change may occur.
- (c) Any change or modification to process EU6 and paint spray booth EU7 which may increase potential VOC emissions from EU6 and EU7 to 25 tons per year shall obtain a source modification pursuant to 326 IAC 2-7-10.5 before such change may occur.

D.2.3 Source-wide Single and Combined HAP limits [40 CFR Part 63, Subpart XXXX]

- (a) The HAP input to emission units EU2, EU3, EU4, EU5, EU 6, EU7, EU8 and EU9 shall be limited to less than 9.8 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (b) The HAP input to emission units EU2, EU3, EU4, EU5, EU 6, EU7, EU8 and EU9 shall be limited to less than 24.8 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with this limit, in conjunction with HAP emissions from combustion units, shall make 40 CFR Part 63, Subpart XXXX not applicable.

D.2.4 Preventive Maintenance Plan

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for emission units EU2, EU3, EU4, EU5, EU 6, EU7, EU8 and EU9 and any associated control devices.

Compliance Determination Requirements

D.2.5 VOC Emissions

Compliance with Condition D.2.2 shall be demonstrated within 30 days of the end of each month based on the total volatile organic compound usage for the twelve (12) month period.

D.2.6 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAP)

Compliance with the VOC content and usage limitations and HAP usage limitations contained in Conditions D.2.2, D.2.3 and D.2.4 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by using formulation data supplied by the manufacturer. IDEM, OAQ reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.2.7 Particulate Matter (PM)

In order to comply with Condition D.2.1, the air filters for PM control shall be in operation at all times when the paint booths (EU3, EU5 and EU7) are in operation.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]

D.2.8 Particulate Matter (PM)

- (a) All three (3) paint spray booths, identified as EU3, EU5 and EU7, have applicable compliance monitoring conditions as specified below:
 - (1) 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 surface coating booth stacks (S/V#1, S/V#9 and S/V#17) while one or more of the booths are in operation. If a

condition exists which should result in a response step, 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.

- (b) Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is 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.

These monitoring conditions are necessary because the dry filters for the three (3) paint spray booths at the source must operate properly to ensure compliance with 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes) and 326 IAC 2-7 (Part 70).

D.2.9 Visible Emissions Notations

- (a) Daily visible emission notations of the tire manufacturing facilities' stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. 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 to Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Excursions and Exceedances shall be considered a deviation from this permit.

Record Keeping and Reporting Requirements

D.2.10 Record Keeping Requirements

- (a) To document compliance with Conditions D.2.2 and D.2.3 the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC and HAP emission limits established in Conditions D.2.2 and D.2.3. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
 - (1) The amount and VOC content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (2) A log of the dates of use;

- (3) the volume weighted VOC content of the coatings used for each month;
 - (4) The cleanup solvent usage for each month; and
 - (5) The weight of VOCs emitted for each compliance period.
- (c) To document compliance with Condition D.2.7, the Permittee shall maintain a log of weekly overspray observations and daily and monthly inspections.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.11 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.2.2 and D.2.3 shall be submitted to the address 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 "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6; [326 IAC 8-3-2] [326 IAC 8-3-5]

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

Emission Limitations and Standards (Cold Cleaning Degreaser Operations)

D.3.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations, the Permittee shall:

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;
- (c) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) Provide a permanent, conspicuous label summarizing the operation requirements;
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.3.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaner degreaser operations without remote solvent reservoirs, the Permittee shall ensure that the following control equipment requirements are met:

- (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)));
 - (B) The solvent is agitated; or
 - (C) The solvent is heated.
- (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

- (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
 - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility, shall ensure that the following operating requirements are met:
- (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

SECTION D.4

EMISSIONS UNIT OPERATION CONDITIONS

Emission Units Description

- (h) One (1) natural gas-fired boiler, rated at 10.46 million British thermal units (mmBtu) per hour, constructed in 1999, and exhausting through one stack identified as S/V#20;

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

Emission Limitations and Standards

D.4.1 Particulate [326 IAC 6-2]

Pursuant to 326 IAC 6-2-4, (Emission limitations specified in 326 IAC 6-2-1(c)), particulate matter (PM) emissions from the steam boiler constructed in 1999, rated at 10.46 million British thermal units per hour, burning natural gas shall be limited to that determined by the following equation.

$$P_t = 1.09/Q^{0.26}$$

where, Q = the total source maximum operating capacity in million British thermal units per hour.

Pursuant to 326 IAC 6-2-4, (Emission limitations specified in 326 IAC 6-2-4(d)), PM emissions from this steam boiler used for indirect purposes shall not exceed 0.59 pounds of particulate matter per million British thermal units heat input.

D.4.2 Preventive Maintenance Plan [326 IAC 1-6-3]

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

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.4.3 Record Keeping Requirements

- (a) Pursuant to 40 CFR 60.48c(g), to document compliance with Condition D.4.1, the Permittee shall maintain daily records of the natural gas used.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements of this permit.

New Source Performance Standards (NSPS) Requirements [326 IAC 12-1]

D.4.4 General Provisions Relating to New Source Performance Standards (NSPS) under 40 CFR Part 60 [326 IAC 12-1] [40 CFR Part 60, Subpart Dc]

- (a) Pursuant to 40 CFR 60.40c, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart Dc – General Provisions, which are incorporated by reference as 326 IAC 12-1 for the steam generating boiler unit, used for indirect heating.
- (b) Pursuant to 40 CFR 60, Subpart Dc, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management
Compliance Branch
Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

D.4.5 New Source Performance Standards (NSPS), Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR Part 60, Subpart Dc]

Pursuant to 40 CFR 60, Subpart Dc, the Permittee shall comply with the provisions of 40 CFR 60, Subpart Dc, for the steam generating unit, used for indirect heating as specified as follows:

§ 60.40c Applicability and delegation of authority.

(a) Except as provided in paragraph (d) of this section, the affected facility to which this subpart applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million Btu per hour (Btu/hr)) or less, but greater than or equal to 2.9 MW (10 million Btu/hr).

(b) In delegating implementation and enforcement authority to a State under section 111(c) of the Clean Air Act, §60.48c(a)(4) shall be retained by the Administrator and not transferred to a State.

(c) Steam generating units which meet the applicability requirements in paragraph (a) of this section are not subject to the sulfur dioxide (SO₂) or particulate matter (PM) emission limits, performance testing requirements, or monitoring requirements under this subpart (§§60.42c, 60.43c, 60.44c, 60.45c, 60.46c, or 60.47c) during periods of combustion research, as defined in §60.41c.

(d) Any temporary change to an existing steam generating unit for the purpose of conducting combustion research is not considered a modification under §60.14.

§ 60.41c Definitions.

As used in this subpart, all terms not defined herein shall have the meaning given them in the Clean Air Act and in subpart A of this part.

Annual capacity factor means the ratio between the actual heat input to a steam generating unit from an individual fuel or combination of fuels during a period of 12 consecutive calendar months and the potential heat input to the steam generating unit from all fuels had the steam generating unit been operated for 8,760 hours during that 12-month period at the maximum design heat input capacity. In the case of steam generating units that are rented or leased, the actual heat input shall be determined based on the combined heat input from all operations of the affected facility during a period of 12 consecutive calendar months.

Coal means all solid fuels classified as anthracite, bituminous, subbituminous, or lignite by the American Society for Testing and Materials in ASTM D388–77, 90, 91, 95, or 98a, “Standard Specification for Classification of Coals by Rank” (incorporated by reference IBR--see §60.17); coal refuse; and petroleum coke. Coal-derived synthetic fuels derived from coal for the purpose of creating useful heat, including but not limited to solvent-refined coal, gasified coal, coal-oil mixtures, and coal-water mixtures, are also included in this definition for the purposes of this subpart.

Coal refuse means any by-product of coal mining or coal cleaning operations with an ash content greater than 50 percent (by weight) and a heating value less than 13,900 kilojoules per kilogram (kJ/kg) (6,000 Btu per pound (Btu/lb) on a dry basis.

Cogeneration steam generating unit means a steam generating unit that simultaneously produces both electrical (or mechanical) and thermal energy from the same primary energy source.

Combined cycle system means a system in which a separate source (such as a stationary gas turbine, internal combustion engine, or kiln) provides exhaust gas to a steam generating unit.

Combustion research means the experimental firing of any fuel or combination of fuels in a steam generating unit for the purpose of conducting research and development of more efficient combustion or more effective prevention or control of air pollutant emissions from combustion, provided that, during these periods of research and development, the heat generated is not used for any purpose other than preheating combustion air for use by that steam generating unit (i.e., the heat generated is released to the atmosphere without being used for space heating, process heating, driving pumps, preheating combustion air for other units, generating electricity, or any other purpose).

Conventional technology means wet flue gas desulfurization technology, dry flue gas desulfurization technology, atmospheric fluidized bed combustion technology, and oil hydrodesulfurization technology.

Distillate oil means fuel oil that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396–78, 89, 90, 92, 96, or 98, “Standard Specification for Fuel Oils” (incorporated by reference—see §60.17).

Dry flue gas desulfurization technology means a sulfur dioxide (SO₂) control system that is located between the steam generating unit and the exhaust vent or stack, and that removes sulfur oxides from the combustion gases of the steam generating unit by contacting the combustion gases with an alkaline slurry or solution and forming a dry powder material. This definition includes devices where the dry powder material is subsequently converted to another form. Alkaline reagents used in dry flue gas desulfurization systems include, but are not limited to, lime and sodium compounds.

Duct burner means a device that combusts fuel and that is placed in the exhaust duct from another source (such as a stationary gas turbine, internal combustion engine, kiln, etc.) to allow the firing of additional fuel to heat the exhaust gases before the exhaust gases enter a steam generating unit.

Emerging technology means any SO₂ control system that is not defined as a conventional technology under this section, and for which the owner or operator of the affected facility has received approval from the Administrator to operate as an emerging technology under §60.48c(a)(4).

Federally enforceable means all limitations and conditions that are enforceable by the Administrator, including the requirements of 40 CFR Parts 60 and 61, requirements within any applicable State implementation plan, and any permit requirements established under 40 CFR 52.21 or under 40 CFR 51.18 and 40 CFR 51.24.

Fluidized bed combustion technology means a device wherein fuel is distributed onto a bed (or series of beds) of limestone aggregate (or other sorbent materials) for combustion; and these materials are forced upward in the device by the flow of combustion air and the gaseous products of combustion. Fluidized bed combustion technology includes, but is not limited to, bubbling bed units and circulating bed units.

Fuel pretreatment means a process that removes a portion of the sulfur in a fuel before combustion of the fuel in a steam generating unit.

Heat input means heat derived from combustion of fuel in a steam generating unit and does not include the heat derived from preheated combustion air, recirculated flue gases, or exhaust gases from other sources (such as stationary gas turbines, internal combustion engines, and kilns).

Heat transfer medium means any material that is used to transfer heat from one point to another point.

Maximum design heat input capacity means the ability of a steam generating unit to combust a stated maximum amount of fuel (or combination of fuels) on a steady state basis as determined by the physical design and characteristics of the steam generating unit.

Natural gas means (1) a naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal constituent is methane, or (2)

liquefied petroleum (LP) gas, as defined by the American Society for Testing and Materials in ASTM D1835–86, 87, 91, or 97, “Standard Specification for Liquefied Petroleum Gases” (incorporated by reference—see §60.17).

Noncontinental area means the State of Hawaii, the Virgin Islands, Guam, American Samoa, the Commonwealth of Puerto Rico, or the Northern Mariana Islands.

Oil means crude oil or petroleum, or a liquid fuel derived from crude oil or petroleum, including distillate oil and residual oil.

Potential sulfur dioxide emission rate means the theoretical SO₂ emissions (nanograms per joule [ng/J], or pounds per million Btu [lb/million Btu] heat input) that would result from combusting fuel in an uncleaned state and without using emission control systems.

Process heater means a device that is primarily used to heat a material to initiate or promote a chemical reaction in which the material participates as a reactant or catalyst.

Residual oil means crude oil, fuel oil that does not comply with the specifications under the definition of distillate oil, and all fuel oil numbers 4, 5, and 6, as defined by the American Society for Testing and Materials in ASTM D396–78, 89, 90, 92, 96, or 98, “Standard Specification for Fuel Oils” (incorporated by reference—see §60.17).

Steam generating unit means a device that combusts any fuel and produces steam or heats water or any other heat transfer medium. This term includes any duct burner that combusts fuel and is part of a combined cycle system. This term does not include process heaters as defined in this subpart.

Steam generating unit operating day means a 24-hour period between 12:00 midnight and the following midnight during which any fuel is combusted at any time in the steam generating unit. It is not necessary for fuel to be combusted continuously for the entire 24-hour period.

Wet flue gas desulfurization technology means an SO₂ control system that is located between the steam generating unit and the exhaust vent or stack, and that removes sulfur oxides from the combustion gases of the steam generating unit by contacting the combustion gases with an alkaline slurry or solution and forming a liquid material. This definition includes devices where the liquid material is subsequently converted to another form. Alkaline reagents used in wet flue gas desulfurization systems include, but are not limited to, lime, limestone, and sodium compounds.

Wet scrubber system means any emission control device that mixes an aqueous stream or slurry with the exhaust gases from a steam generating unit to control emissions of particulate matter (PM) or SO₂.

Wood means wood, wood residue, bark, or any derivative fuel or residue thereof, in any form, including but not limited to sawdust, sanderdust, wood chips, scraps, slabs, millings, shavings, and processed pellets made from wood or other forest residues.

§ 60.48c Reporting and recordkeeping requirements.

(a) The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by §60.7 of this part. This notification shall include:

(1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.

(3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

(g) The owner or operator of each affected facility shall record and maintain records of the amounts of each fuel combusted during each day. The owner or operator of an affected facility that only burns very

low sulfur fuel oil or other liquid or gaseous fuels with potential sulfur dioxide emissions rate of 140 ng/J (0.32 lb/MMBtu) heat input or less shall record and maintain records of the fuels combusted during each calendar month.

(i) All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

(j) The reporting period for the reports required under this subpart is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Hoosier Tire & Rubber Corp.
Source Address: 2307 Pidco Drive, Plymouth, Indiana 46563
Mailing Address: P.O. Box 538, Lakeville, Indiana 46536
Part 70 Permit No.: T099-21155-00052

**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:

- Annual Compliance Certification Letter
- Test Result (specify)
- Report (specify)
- Notification (specify)
- Affidavit (specify)
- 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:

Phone:

Date:

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

**PART 70 OPERATING PERMIT
SEMI-ANNUAL NATURAL GAS FIRED BOILER CERTIFICATION**

Source Name: Hoosier Tire & Rubber Corp.
Source Address: 2307 Pidco Drive, Plymouth, Indiana 46563
Mailing Address: P.O. Box 538, Lakeville, Indiana 46536
Part 70 Permit No.: T099-21155-00052

Natural Gas Only
 Alternate Fuel burned
From: _____ To: _____

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:

Phone:

Date:

A certification by the responsible official as defined by 326 IAC 2-7-1(34) is required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865**

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Hoosier Tire & Rubber Corp.
Source Address: 2307 Pidco Drive, Plymouth, Indiana 46563
Mailing Address: P.O. Box 538, Lakeville, Indiana 46536
Part 70 Permit No.: T099-21155-00052

This form consists of 2 pages

Page 1 of 2

<input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) X The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and X The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), 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
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**

**PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Hoosier Tire & Rubber Corp.
Source Address: 2307 Pidco Drive, Plymouth, Indiana 46563
Mailing Address: P.O. Box 538, Lakeville, Indiana 46536
Part 70 Permit No.: T099-21155-00052

Months: _____ to _____ Year: _____

Page 1 of 2

<p>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. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does 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".</p>	
<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
Compliance Data Section**

Part 70 Quarterly Report

Source Name: Hoosier Tire & Rubber Corp.
Source Address: 2307 Pidco Drive, Plymouth, Indiana 46563
Mailing Address: P.O. Box 538, Lakeville, Indiana 46536
Part 70 Permit No.: T099-21155-00052
Pollutant: VOC Usage from the twelve (12) tire curing presses, identified as Process EU4, and one (1) paint spray booth, identified as EU5
Limit: Less than twenty-five (25) tons per twelve (12) consecutive month period

Year: _____

Month	VOC Usage (tons/month)		
	This Month	Previous 11 months	12 Month Total
Month 1			
Month 2			
Month 3			

- No deviation occurred in this quarter
- Deviation(s) occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title/Position: _____
Signature: _____
Date: _____

Attach a signed certification to complete this report

**Indiana Department of Environmental Management
 Office of Air Quality
 Compliance Data Section**

Part 70 Quarterly Report

Source Name: Hoosier Tire & Rubber Corp.
 Source Address: 2307 Pidco Drive, Plymouth, Indiana 46563
 Mailing Address: P.O. Box 538, Lakeville, Indiana 46536
 Part 70 Permit No.: T099-21155-00052
 Facilities: Source-wide HAP emissions
 Parameter: Material and solvent input HAP
 Limit: Worst case single and combined HAP less than 10 and 25 tons per consecutive twelve (12) month period, respectively.

Year: _____

Single HAP:

Month	HAP	(Column 1) Single HAP This Month	(Column 2) Single HAP from Previous 11 months	(Column 1+Column 2) Single HAP For 12 Month Period
1	Xylene			
	Toluene			
	Cyclohexane			
	Ethylbenzene			
2	Xylene			
	Toluene			
	Cyclohexane			
	Ethylbenzene			
3	Xylene			
	Toluene			
	Cyclohexane			
	Ethylbenzene			

Combined HAP

Month	(Column 1) Combined HAP This Month	(Column 2) Combined HAP from Previous 11 months	(Column 1+Column 2) Combined HAP For 12 Month Period
1			
2			
3			

- No deviation occurred in this quarter
- Deviation(s) occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title/Position: _____
Signature: _____
Date: _____

Attach a signed certification to complete this report

**Indiana Department of Environmental Management
Office of Air Quality**

Technical Support Document (TSD) for a Part 70 Operating Permit Renewal

Source Background and Description

Source Name:	Hoosier Tire and Rubber Corp.
Source Location:	2307 Pidco Drive, Plymouth, Indiana 46563
County:	Marshall
SIC Code:	3011
Operation Permit No.:	T099-7525-00052
Operation Permit Issuance Date:	January 22, 2001
Permit Renewal No.:	T099-21155-00052
Permit Reviewer:	Alfred C. Dumauval, Ph.D.

The Office of Air Quality (OAQ) has reviewed a Part 70 Operating Permit Renewal application from Hoosier Tire and Rubber Corp. relating to the operation of a rubber tire manufacturing plant.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices:

- (a) Rubber mixing facility, identified as EU1 for mixing raw materials with a maximum processing rate of 3000 pounds per hour, with particulate matter emissions controlled by two (2) baghouses, identified as DC-1 and DC-2;
- (b) Eight (8) tire curing presses, identified as Process EU2, with a total maximum rate of processing forty-eight (48) tires per hour;
- (c) One (1) paint spray booth, identified as EU3, constructed in July 1995, for painting/stenciling of tires, using dry filters as overspray control, and exhausting through S/V#1;
- (d) Twelve (12) tire curing presses, identified as Process EU4, constructed in March of 1995, with a total maximum rate of processing 72 tires per hour;
- (e) One (1) paint spray booth, identified as EU5, constructed in July of 1995, for painting/stenciling of tires, using dry filters as overspray control, and exhausting through S/V#9;
- (f) Four (4) tire curing presses, identified as Process EU6, constructed in January of 2000, with a total maximum rate of processing 24 tires per hour;
- (g) One (1) paint spray booth, identified as EU7, constructed in January of 2000, for painting/stenciling of tires, using dry filters as overspray control, and exhausting through S/V#17;
- (h) One (1) natural gas-fired boiler, rated at 10.46 million British thermal units (mmBtu) per hour, constructed in 1999, and exhausting through one stack identified as S/V#20;
- (i) One (1) tire press system, identified as EU8, constructed in April of 2005; and
- (j) One (1) tire press/pad printer system, identified as EU9, constructed in April of 2005.

Insignificant Activities

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

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million BTU per hour:
 - (1) Three (3) natural gas fired make up air units, each with a heat input rate of 4.675, 3.575, 2.275 mmBtu/hr, respectively, and each with a gas discharge temperature of less than 120°F;
- (b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6; [326 IAC 8-3-2] [326 IAC 8-3-5]
- (c) Any operation using aqueous solutions containing less than 1% by weight of VOCs excluding hazardous air pollutants (HAPs);
- (d) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtrations equipment;
- (e) Paved and unpaved roads and parking lots with public access; [326 IAC 6-4]
- (f) Blowdown for any of the following: sight glass, boilers, compressors, pumps, and cooling tower;
- (g) On-site fire and emergency responses training approved by the department;
- (h) Mold release agents using low volatile products (vapor pressure less than or equal to 2 kilopascals measured at 38°C);
- (i) Any unit emitting greater than 1 pound per day but less than 5 pounds per day or 1 ton per year of single HAP:
 - (1) R & D Tire Fabrication Area;
 - (2) Mold Cleaning Area;
- (j) Any unit emitting greater than 1 pound per day but less than 12.5 pounds per day or 2.5 tons per year of any combination of HAPs:
 - (1) R & D Chemistry Laboratory
- (k) Activities with emissions equal to or less than 3 pounds of VOC per hour or 15 pounds per day:
 - (1) Tire curing room;
 - (2) Calendar splice cement.

Existing Approvals

The source has constructed or has been operating under the following previous approvals:

- (a) TV 099-7525-00052, issued on January 22, 2001;
- (b) MSM 099-21075I-00052, issued on April 26, 2005;

- (c) MSM 099-21075-00052, issued on May 18, 2005;
- (d) SPM 099-21235-00052, issued on August 4, 2005;
- (e) AA 099-20587-00052, issued on August 10, 2005;

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.

The following terms and conditions from previous approvals have been determined no longer applicable; therefore, they were not incorporated into this Part 70 permit:

All construction conditions from all previously issued permits.

Reason not incorporated: All facilities previously permitted have already been constructed; therefore, the construction conditions are no longer necessary as part of the operating permit. Any facilities that were previously permitted but have not yet been constructed would need new pre-construction approval before beginning construction.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the Part 70 permit 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 administratively complete Part 70 permit renewal application for the purposes of this review was received on April 22, 2005. Additional information was received on August 4, 2005.

There was no notice of completeness letter mailed to the Permittee.

Emission Calculations

See Appendix A of this document for detailed emission calculations (App. A Pages 1-7)

Potential to Emit of the Source

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA.”

The source was issued a Part 70 Operating Permit on January 22, 2001. 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 the original Part 70 operating Permit and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/emission unit	Uncontrolled Potential to Emit (tons/year)							
	PM	PM-10	SO ₂	VOC	CO	NO _x	Single HAP	Total HAPs
Rubber Mixing (EU1)	79.5	79.5	0.0	0.0	0.0	0.0	0.0	0.0
EU2, EU3, EU6 & EU7	0.46	0.46	0.0	30.2	0.0	0.0	>10 (Hexane)	>25
EU4 and EU5			0.0	<25	0.0	0.0	>10 (Hexane)	
EU8	0.00	0.003	0.0	13.78	0.0	0.0	<10 (Xylene)	
EU9	0.0	0.0	0.0	9.05	0.0	0.0	<10 (Xylene)	
Combustion	0.2	0.7	0.1	0.5	7.7	9.2	<10 (Hexane)	
Tire Curing	0.0	0.0	0.0	1.7	0.0	0.0	<10 (Xylene)	
Total Limited PTE	80.8	81.3	0.1	97.8	7.7	9.2	>10	

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is equal to or greater than ten (10) tons per year and/or the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is equal to or greater than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2003 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	0.0
PM-10	0.0
SO ₂	Not reported
VOC	25
CO	Not reported
NO _x	Not reported
HAP	Not reported

Potential to Emit After Issuance

The table below summarizes the source potential to emit, reflecting all limits, of the significant emission units after controls. The control equipment is considered federally enforceable only after issuance of this Part 70 operating permit.

Potential to Emit After Issuance (tons/year)					
Pollutant	Emissions Generating Activity				
	Mixing	Tire Curing	Surface Coating	Combustion	Total
PM	0.0	0.0	0.1	0.2	0.3
PM10	0.0	0.0	0.1	0.7	0.8
SO ₂	0.0	0.0	0.0	0.1	0.1
NO _x	0.0	0.0	0.0	9.2	9.2
VOC	0.0	1.7	73.9	0.5	76.1
CO	0.0	0.0	0.0	7.7	7.7
Total HAPs	0.0	0.7	<25*	0.2	<25*
Worst Single HAP	0.0	0.1	<10*	0.2	<10*

Total emissions based on rated capacity at 8,760 hours/year

**The applicant has agreed to limit their single and total HAP emissions to less than 10 and 25 tons per year respectively; however, the applicant has decided not to apply for a FESOP in lieu of a Part 70 Permit.*

County Attainment Status

The source is located in Marshall County.

Pollutant	Status
PM-2.5	attainment
PM-10	attainment
SO ₂	attainment

NO ₂	attainment
8-hr Ozone	attainment
CO	attainment
Lead	attainment

- (a) 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. Therefore, VOC emissions and NO_x are considered when evaluating the rule applicability relating to ozone. Marshall County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions and NO_x were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.
- (b) Marshall County has been classified as unclassifiable or attainment for PM_{2.5}. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM_{2.5} emissions. Therefore, until the U.S.EPA adopts specific provisions for PSD review for PM_{2.5} emissions, it has directed states to regulate PM₁₀ emissions as a surrogate for PM_{2.5} emissions. See the State Rule Applicability – Entire Source section.
- (c) Marshall County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.
- (d) Fugitive Emissions
Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2 or 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

Part 70 Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, pursuant to which the source has to meet the following:

- (a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 permits.
- (b) Monitoring and related record keeping requirements which assume that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

Federal Rule Applicability

- (a) The 10.46 mmBtu/hr natural gas fired boiler, installed in 1999, is subject to the New Source Performance Standard, 40 CFR 60.40c, Subpart Dc, (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units) and 326 IAC 12 because it is a steam generating unit constructed after June 9, 1989 and has a heat input capacity greater than ten (10) million British thermal units per hour.

Nonapplicable portions of the NSPS will not be included in the permit. The boiler is subject to the following portions of Subpart Dc:

- (1) 40 CFR 60.40c
 - (2) 40 CFR 60.41c
 - (3) 40 CFR 60.48c (a)(1) and (a)(3)
 - (4) 40 CFR 60.48c (g)
 - (5) 40 CFR 60.48c (i)
 - (6) 40 CFR 60.48c (j)
- (b) There are no other New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in this permit.
- (c) The tire pressing and surface coating operations are not subject to requirements of National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 20 and 40 CFR Part 63, Subpart XXXX) because the source is limiting the single and combined HAP emissions to less than their respective major source levels of ten (10) and twenty-five (25) tons per year.
- (d) Pursuant to 40 CFR 60.540, 40 CFR 60, Subpart BBB (Standards of Performance for the Rubber Tire Manufacturing Industry) applies to each of the listed affected facilities in rubber tire manufacturing plants that commence construction, modification, or reconstruction after January 20, 1983.

Pursuant to 40 CFR 60.541(a), a tire is defined as any agricultural, airplane, industrial, mobile home, light duty truck and/or passenger vehicle tire that has a bead diameter of less than or equal to 0.325 m (12.8 inches), and that is mass produced in an assembly line fashion. However, none of the tires produced by Hoosier Tire and Rubber Corporation are mass produced in an assembly line fashion. Each of the tires are produced in small batch lots of typically 48 to 122 tires per lot. Each tire is hand built and each lot is unique and identified with a mold and control number.

Therefore, since the tires are not mass produced in an assembly line fashion, the requirements of 40 CFR 60, Subpart BBB are not included in this permit.

- (e) Existing surface coating booths EU3, EU5, and EU7 are not subject to the requirements of NESHAP 40 CFR 63, Subpart PPPP (Surface Coating of Plastic Parts and Products) because the source is limiting the single and combined HAP emissions to less than their major source levels of 10 and 25 tons per year, respectively, to avoid the requirements of 40 CFR 63, Subpart XXXX (see (c) above).
- (f) The National Emission Standards for Hazardous Air Pollutants (NESHAP) for Halogenated Solvent Cleaning (40 CFR Part 63, Subpart T) are not included in this permit for this source because none of the listed halogenated HAP are used in the degreasing operations.
- (g) This source is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP), Subpart DDDDD for their boiler operations because it is not a major source of hazardous air pollutants (HAP). Therefore, these requirements are not included in this permit.
- (h) There are no other National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 20 and 40 CFR Part 63) included in this permit.
- (i) This renewal does not involve a pollutant-specific emissions unit as defined in 40 CFR 64.1 for any regulated pollutant with the following:
- (1) with the potential to emit before controls equal to or greater than the major source threshold for that regulated pollutant;

- (2) that is subject to an emission limitation or standard for that regulated pollutant;
and
- (3) uses a control device as defined in 40 CFR 64.1 to comply with that emission limitation or standard.

Therefore, the requirements of 40 CFR Part 64, Compliance Assurance Monitoring (CAM), are not included in this permit.

State Rule Applicability – Entire Source

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

This source is not subject to the requirements of 326 IAC 2-2 (PSD) because the potential to emit of all attainment pollutants is less than 250 tons per year and it is not in one of the 28 listed source categories.

326 IAC 2-6 (Emission Reporting)

This source is located in Marshall County and is required to have an operating permit under 326 IAC 2-7, Part 70 Permit Program. Pursuant to 326 IAC 2-6(a)(1), this source shall submit an emission statement every three (3) years, starting in 2007, covering the previous calendar year to the Office of Air Quality (OAQ) by July 1st of each year.

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

This source is not subject to the requirements of 326 IAC 2-4.1 (Major sources of Hazardous Air Pollutants) because it is not a major source of HAPs.

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 forty percent (40%) 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 6-2-4 (Particulate Emissions Limitations for Sources of Indirect Heating)

The 10.46 mmBtu/hr natural gas fired boiler, constructed in 1999, is subject to 326 IAC 6-2-4 (Particulate Emissions Limitations for Sources of Indirect Heating) because it was constructed after September 21, 1983. Pursuant to this rule, particulate emissions from indirect heating facilities shall be limited by the following equation:

$$Pt = 1.09/Q^{0.26} \quad \text{Where } Q = \text{total source heat input capacity (mmBtu/hr)}$$
$$Pt = 1.09/10.46^{0.26} \quad Pt = \text{emission rate limit (lbs/mmBtu)}$$
$$Pt = 0.59 \text{ lbs / mmBtu}$$

The boiler emits a maximum of 0.01 pounds PM per mmBtu heat input and is in compliance with 326 IAC 6-2-4.

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

- (a) Pursuant to 326 AC 6-3-2(e), the particulate matter (PM) emissions from the mixing operation, EU1, with a maximum process rate of 3000 lbs/hr shall be limited by the following:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour}$$
$$= 4.10 \times (3000/2000)^{0.67} \quad P = \text{process weight rate in tons per hour}$$
$$= 5.4 \text{ lbs/hr}$$

The baghouse shall be in operation at all times the mixing process is in operation in order to comply with this limit. Controlled PM emissions from the mixing operation are at 0.002 lbs/hr.

- (b) Pursuant to 326 IAC 6-3-2(e), the particulate matter (PM) emissions from the tire curing operations, EU2, EU4, and EU6, shall be limited by the following:

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour and}$$
$$P = \text{process weight rate in tons per hour}$$

- (c) Emission units, EU3, EU5, and EU7 are subject to the provisions of 326 IAC 6-3-2(d) to control particulate matter (PM) emissions as these emission units are considered surface coating processes with dry particulate filters as control devices.

The dry filters shall be in operation at all times the spray booths are in operation in order to comply with this limit. Said control device shall be operated according to the manufacturer's specifications.

326 IAC 8-5-4 (Pneumatic Rubber Tire Manufacturing Requirements)

Pursuant to 326 IAC 8-5-1, the source was constructed after November 1, 1980 and has facilities as described in 326 IAC 8-5-4; it is, therefore, subject to 326 IAC 8-5-1. Pursuant to 326 IAC 8-5-4(a), 326 IAC 8-5-4 applies to sources manufacturing pneumatic rubber, passenger type tires on a mass production basis. However, none of the tires produced by Hoosier Tire and Rubber Corporation are mass produced in an assembly line fashion. Each tire is hand built and each lot is unique and identified with a mold and control number.

Therefore, since the tires are not mass produced in an assembly line fashion, the requirements of 326 IAC 8-5-4 do not apply.

326 IAC 8-1-6 (New Facilities, General Reduction Requirements)

This rule applies to facilities located anywhere in the state that were constructed on or after January 1, 1980, and which have potential volatile organic compound emissions of twenty-five (25) tons per year or more and are not otherwise regulated by other provisions of Article 8.

The rubber curing operations (EU2, EU4, and EU6) and surface coating operations of rubber tires (EU3, EU5, EU7, EU8 and EU9) are not regulated by other provisions of Article 8. EU2 and EU3, constructed in 1993, have a combined potential VOC emissions of 20.1 tons per year. EU6 and EU7, constructed in 2000, have a combined potential VOC emissions of 10.1 tons per year. EU8 and EU9, constructed in 2005, have a combined VOC potential VOC emissions of 22.83 tons per year. Therefore, these operations are not subject to the requirements of 326 IAC 8-1-6. EU4 and EU5 have a combined potential VOC emissions of 41.3 tons per year and the source has accepted the VOC usage limit for EU4 and EU5 of less than twenty-five (25) tons combined per twelve (12) consecutive month period with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 8-1-6 do not apply.

326 IAC 8-3-2 (Cold Cleaner Operation)

The degreasing operations of the source are subject to the provisions in 326 IAC 8-3-2 because it was constructed after July 1, 1980 and is located anywhere in the state.

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), the Permittee shall:

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;
- (c) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) Provide a permanent, conspicuous label summarizing the operation requirements;
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

326 IAC 8-3-5 (Cold Cleaner Degreaser Operation and Control)

Pursuant to 326 IAC 8-3-1(a)(2), the degreasing operations of the source are subject to the provisions in 326 IAC 8-3-5 because the Source uses organic solvents as defined in 326 IAC 1-2-18.5, was constructed after July 1, 1980 and is located in any county in the state.

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the Permittee shall ensure that the following control equipment requirements are met:
 - (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kilopascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));

- (B) The solvent is agitated; or
 - (C) The solvent is heated.
- (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kilopascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
 - (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
 - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kilopascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:
 - (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

Testing Requirements

No VOC or HAPs testing is required because the source demonstrates compliance with emissions limitations through record keeping and reporting.

Compliance Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state

and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions 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.

The compliance monitoring requirements applicable to this source are as follows:

1. The mixing operation, EU1, has applicable compliance monitoring conditions as specified below:
 - (a) Visible Emission Notations
 - (1) Visible emission notations of the mixing operation (EU1) stack exhaust shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
 - (2) 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.
 - (3) 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.
 - (4) 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.
 - (5) 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.
 - (b) In the event that bag failure has been observed:
 - (1) For a single compartment baghouse-controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
 - (2) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the

failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the rubber mixing facility. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as a gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

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

These monitoring conditions are necessary because the baghouses, DC-1 and DC-2, for the mixing operations (EU1) must operate properly to ensure compliance with 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) and 326 IAC 2-7 (Part 70).

2. All three (3) paint spray booths, identified as EU3, EU5 and EU7, have applicable compliance monitoring conditions as specified below:
 - (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 surface coating booth stacks (S/V#1, S/V#9 and S/V#17) while one or more of the booths are in operation. If a condition exists which should result in a response step, 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.
 - (b) Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is 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.

These monitoring conditions are necessary because the dry filters for the three (3) paint spray booths at the source must operate properly to ensure compliance with 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes) and 326 IAC 2-7 (Part 70).

Conclusion

The operation of this rubber tire manufacturing source shall be subject to the conditions of this Part 70 permit T099-21155-00052.

Appendix A: Emissions Calculations

Emissions Summary

Company Name: Hoosier Tire and Rubber Corp.
Address City IN Zip: 2307 Pidco Dr., Plymouth, IN 46563
Permit Number: T099-21155-00052
Plt ID: 099-00052
Reviewer: Alfred C. Dumauual
Date: 6/7/2006

Uncontrolled Potential Emissions (tons/year)					
Pollutant	Emissions Generating Activity				
	Mixing	Tire curing	Surface Coating	Combustion	Total
PM	79.5	0.0	1.1	0.2	80.8
PM10	79.5	0.0	1.1	0.7	81.3
SO ₂	0.0	0.0	0.0	0.1	0.1
NO _x	0.0	0.0	0.0	9.2	9.2
VOC	0.0	1.7	95.7	0.5	97.8
CO	0.0	0.0	0.0	7.7	7.7
Total HAPs	0.0	0.7	49.6	0.2	50.5
Worst Single HAP	0.0	0.1	46.1	0.2	46.4
<i>Total emissions based on rated capacity at 8,760 hours/year</i>					
Potential to Emit After Issuance (tons/year)					
Pollutant	Emissions Generating Activity				
	Mixing	Tire Curing	Surface Coating	Combustion	Total
PM	0.0	0.0	0.1	0.2	0.3
PM10	0.0	0.0	0.1	0.7	0.8
SO ₂	0.0	0.0	0.0	0.1	0.1
NO _x	0.0	0.0	0.0	9.2	9.2
VOC	0.0	1.7	73.9	0.5	76.1
CO	0.0	0.0	0.0	7.7	7.7
Total HAPs	0.0	0.7	<25*	0.2	<25*
Worst Single HAP	0.0	0.1	<10*	0.2	<10*
<i>Total emissions based on rated capacity at 8,760 hours/year</i>					

*The Permittee has agreed to limit their single and combined HAP emissions to less than ten (10) and twenty-five (25) tons per year, respectively, to avoid the requirements of National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR 63, Subpart XXXX and Subpart PPPP.

**Appendix A: Emissions Calculations
Mixing & Tire Curing Emission Calculations**

**Company Name: Hoosier Tire and Rubber Corp.
Address City IN Zip: 2307 Pidco Dr., Plymouth, IN 46563
Permit Number: T099-21155-00052
Plt ID: 099-00052
Reviewer: Alfred C. Dumauual
Date: 6/7/2006**

Emission Calculations for the Mixing Operations (EU 1)

Based on the applicants record, the baghouses (with 99.99% control efficiency) for the mix operations collected 30 tons of particulate matter for processing 9,900,000 pounds of rubber. Therefore, the emission factor for the mixing operation is determined as follows:

$$\begin{aligned} \text{Uncontrolled Emission Factor for Mixing (lb/ton processed)} &= \frac{30\text{tons} \times 2000\text{lbs/ton}}{9,900,000\text{lbs}/2000\text{lbs/ton}} \div 99.99\% \\ &= 12.2 \text{ lbs}_{\text{PM/PM10}} / \text{ton}_{\text{rubber processed}} \end{aligned}$$

$$\begin{aligned} \text{Uncontrolled PM/PM10 Potential Emissions from EU1} &= \left(\frac{3000 \text{ lbs/hr}}{2000 \text{ lbs/ton}} \right) \times 8760 \text{ hrs/yr} \times 12.1 \text{ lbs/ton}_{\text{processed}} \\ &= 158,994 \text{ lbs/yr} = 79.5 \text{ tons/yr} \end{aligned}$$

$$\text{Controlled PM/PM10 Emissions} = 79.5 \text{ tons/year} \times (1 - 99.99\%) = 0.008 \text{ tons/yr}$$

Emission Calculations for the Tire Curing Operations

The emission factor for the tire curing operation is based on a worst case VOC & HAP emissions derived from several types of tires from the AP-42 and does NOT reflect the tires produced by Hoosier Tire and Rubber Corporation. Based on the applicants record of processing 15,500,000 pounds of rubber, calculations for tire curing operations are as follows:

$$\begin{aligned} \text{VOC:} &= (15,500,000 \text{ pounds}_{\text{rubber}}/\text{year}) \times (3.37\text{E-}4 \text{ pounds}_{\text{VOC}}/\text{pound}_{\text{rubber}}) \times (1 \text{ ton}/2000 \text{ pounds}) \\ &= 2.61 \text{ tons}_{\text{VOC}}/\text{year} \end{aligned}$$

$$\begin{aligned} \text{HAPs:} &= (15,500,000 \text{ pounds}_{\text{rubber}}/\text{year}) \times (1.49\text{E-}4 \text{ pounds}_{\text{HAPs}}/\text{pound}_{\text{rubber}}) \times (1 \text{ ton}/2000 \text{ pounds}) \\ &= 1.15 \text{ tons}_{\text{HAPs}}/\text{year} \end{aligned}$$

Appendix A: Emissions Calculations
VOC and Particulate
From Surface Coating Operations

Company Name: Hoosier Tire and Rubber Corp.
Address City IN Zip: 2307 Pidco Dr., Plymouth, IN 46563
Permit Number: T099-21155-00052
Pit ID: 099-00052
Reviewer: Alfred C. Dumaul
Date: 6/7/2006

Potential Emissions (Uncontrolled):																		
Material (As supplied)	Process	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	lb VOC/gal solids	Transfer Efficiency	
Solvent Blend	Fabrication (EU2)	5.7	100.00%	0.0%	100.0%	0.0%	0.00%	0.01570	48.000	5.72	5.72	4.31	103.45	18.880	0.00		100%	
White Tire Paint	Spray Booth (EU3)	8.7	68.90%	0.0%	68.9%	0.0%	17.20%	0.00060	48.000	6.01	6.01	0.17	4.16	0.759	0.09	34.97	75%	
White Tire Paint A		8.6	67.00%	0.0%	67.0%	0.0%	0.00%	0.00125	48.000	5.78	5.78	0.35	8.32	1.518	0.26		65%	
Solvent Blend	Fabrication (EU4)	5.7	100.00%	0.0%	100.0%	0.0%	0.00%	0.02133	72.000	5.72	5.72	8.78	210.83	38.476	0.00		100%	
White Tire Paint	Spray Booth (EU5)	8.7	68.90%	0.0%	68.9%	0.0%	17.20%	0.00101	72.000	6.01	6.01	0.44	10.50	1.916	0.22	34.97	75%	
White Tire Paint A		8.6	67.00%	0.0%	67.0%	0.0%	0.00%	0.00083	72.000	5.78	5.78	0.35	8.28	1.512	0.26		65%	
Solvent Blend	Fabrication (EU6)	5.7	100.00%	0.0%	100.0%	0.0%	0.00%	0.01570	24.000	5.72	5.72	2.16	51.73	9.440	0.00		100%	
White Tire Paint	Spray Booth (EU7)	8.7	68.90%	0.0%	68.9%	0.0%	17.20%	0.00060	24.000	6.01	6.01	0.09	2.08	0.379	0.04	34.97	75%	
White Tire Paint A		8.6	67.00%	0.0%	67.0%	0.0%	0.00%	0.00250	24.000	5.78	5.78	0.35	8.32	1.518	0.26		65%	
Mold Release	(EU3, EU5, EU7, EU8)	6.4	99.00%	0.0%	99.0%	0.0%	0.00%	0.01150		6.36	6.36	0.07	1.75	0.320	0.00		100%	
Tread White Center Line		7.4	73.00%	0.0%	73.0%	0.0%	0.00%	0.00030		5.43	5.43	0.00	0.04	0.007	0.00		100%	
Tread White Letter		6.9	84.00%	0.0%	84.0%	0.0%	0.00%	0.00010		5.81	5.81	0.00	0.01	0.003	0.00		100%	
Tread Cement		6.0	96.00%	0.0%	96.0%	0.0%	0.00%	0.19200		5.71	5.71	1.10	26.32	4.804	0.00		100%	
Calender Splice Cement		6.1	60.00%	0.0%	60.0%	0.0%	0.00%	0.00100		3.68	3.68	0.00	0.09	0.016	0.00		100%	
Solvent		5.9	100.00%	0.0%	100.0%	0.0%	0.00%	0.27290		5.92	5.92	1.62	38.77	7.076	0.00		100%	
Subtotal of Potential Emissions				Add worst case coating to all solvents									19.78	474.65	86.62	1.13		
Mold Release	EU9	6.4	99.00%	0.0%	99.0%	0.0%	0.00%	0.00720		6.36	6.36	0.05	1.10	0.200	0.00		100%	
Tread White Center Line		7.4	73.00%	0.0%	73.0%	0.0%	0.00%	0.00020		5.43	5.43	0.00	0.03	0.005	0.00		100%	
Tread White Letter		6.9	84.00%	0.0%	84.0%	0.0%	0.00%	0.00010		5.81	5.81	0.00	0.01	0.003	0.00		100%	
Tread Cement		6.0	96.00%	0.0%	96.0%	0.0%	0.00%	0.12000		5.71	5.71	0.69	16.45	3.002	0.00		100%	
Calender Splice Cement		6.1	60.00%	0.0%	60.0%	0.0%	0.00%	0.00060		3.68	3.68	0.00	0.05	0.010	0.00		100%	
Solvent		5.9	100.00%	0.0%	100.0%	0.0%	0.00%	0.17050		5.92	5.92	1.01	24.22	4.421	0.00		100%	
Pad Ink		8.4	60.00%	0.0%	60.0%	0.0%	0.00%	0.00700		5.02	5.02	0.04	0.84	0.154	0.00		100%	
Pad Adhesive Wipe		7.5	98.00%	0.0%	98.0%	0.0%	0.00%	0.01160		7.38	7.38	0.09	2.05	0.375	0.00		100%	
Pad Hardener		9.7	30.00%	0.0%	30.0%	0.0%	0.00%	0.00610		2.91	2.91	0.02	0.43	0.078	0.00		100%	
Pad Fast Thinner		7.3	100.00%	0.0%	100.0%	0.0%	0.00%	0.00500		7.26	7.26	0.04	0.87	0.159	0.00		100%	
Pad Medium Thinner	7.6	100.00%	0.0%	100.0%	0.0%	0.00%	0.01330		7.56	7.56	0.10	2.41	0.440	0.00		100%		
Pad Thinner	7.6	100.00%	0.0%	100.0%	0.0%	0.00%	0.00580		7.56	7.56	0.04	1.05	0.192	0.00		100%		
Subtotal of Potential Emissions				Add worst case coating to all solvents									2.06	49.53	9.04	0.00		
TOTAL POTENTIAL EMISSIONS				Add worst case coating to all solvents									21.84	524.18	95.66	1.13		

Appendix A: Emissions Calculations
 VOC and Particulate (Continued)
 From Surface Coating Operations

Company Name: Hoosier Tire and Rubber Corp.
 Address City IN Zip: 2307 Pidco Dr., Plymouth, IN 46563
 Permit Number: T099-21155-00052
 Plt ID: 099-00052
 Reviewer: Alfred C. Dumaul
 Date: 6/7/2006

Limited Emissions (controlled)	Control Efficiency		Controlled VOC	Controlled VOC	Controlled VOC	Controlled PM (tons/yr)
	VOC	PM	(lbs/hr)	(lbs/day)	(tons/year)	
	22.76%	95.00%	16.31	391.44	73.89	0.056

** VOC emissions from EU4 and EU5 are limited to less than 25 tons per year to avoid the requirements of 326 IAC 8-1-6

METHODOLOGY

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) * Weight % Organics) / (1-Volume % water)
 Pounds of VOC per Gallon Coating = (Density (lb/gal) * Weight % Organics)
 Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr)
 Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (24 hr/day)
 Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (8760 hr/yr) * (1 ton/2000 lbs)
 Particulate Potential Tons per Year = (units/hour) * (gal/unit) * (lbs/gal) * (1- Weight % Volatiles) * (1-Transfer efficiency) * (8760 hrs/yr) * (1 ton/2000 lbs)
 Pounds VOC per Gallon of Solids = (Density (lbs/gal) * Weight % organics) / (Volume % solids)
 Total = Worst Coating + Sum of all solvents used

Appendix A: Emission Calculations

HAP Emission Calculations

Company Name: Hoosier Tire and Rubber Corp.
Address City IN Zip: 2307 Pidco Dr., Plymouth, IN 46563
Permit Number: T099-21155-00052
Plt ID: 099-00052
Reviewer: Alfred C. Dumauual
Date: 6/7/2006

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Xylene	Weight % Toluene	Weight % Formaldehyde	Weight % Benzene	Weight % Hexane	Weight % Glycol Ethers	Weight % Methanol	Xylene Emissions (ton/yr)	Toluene Emissions (ton/yr)	Formaldehyde Emissions (ton/yr)	Benzene Emissions (ton/yr)	Hexane Emissions (ton/yr)	Glycol Ethers Emissions (ton/yr)	Methanol Emissions (ton/yr)
Solvent Blend (EU2)	5.72	0.015700	48.00	0.00%	0.00%	0.00%	0.00%	69.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	13.027	0.00	0.00
White Tire Paint (EU3)	8.73	0.000656	48.00	50.00%	0.00%	0.00%	20.00%	0.00%	0.00%	0.00%	0.602	0.000	0.000	0.241	0.000	0.00	0.00
Solvent Blend (EU4)	5.72	0.021330	72.00	0.00%	0.00%	0.00%	0.00%	69.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	26.549	0.00	0.00
White Tire Paint (EU5)	8.73	0.001008	72.00	50.00%	0.00%	0.00%	20.00%	0.00%	0.00%	0.00%	1.388	0.000	0.000	0.555	0.000	0.00	0.00
Solvent Blend (EU6)	5.72	0.015734	24.00	0.00%	0.00%	0.00%	0.00%	69.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	6.528	0.00	0.00
White Tire Paint (EU7)	8.73	0.000656	24.00	50.00%	0.00%	0.00%	20.00%	0.00%	0.00%	0.00%	0.301	0.000	0.000	0.120	0.000	0.00	0.00
*(EU3, EU5, EU7, EU8)	**	**	**	**	**	**	**	**	**	**	0.220	0.003	0.000	0.000	0.000	0.00	0.00
***EU9	**	**	**	**	**	**	**	**	**	**	0.040	0.026	0.000	0.000	0.000	0.00	0.00
				0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.00	0.00
				0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.000	0.000	0.000	0.000	0.000	0.00	0.00
Total Potential Emissions											2.55	0.03	0.00	0.92	46.10	0.00	0.00
Total Controlled Potential Emissions*											<10	<10	0.00	<10	<10	0.00	0.00

*The Permittee has agreed to limit their single and combined HAP emissions to less than ten (10) and twenty-five (25) tons per year respectively to avoid the requirements of National Emission Standards for Hazardous Air Pollutants

METHODOLOGY

HAPS emission rate (tons/yr) = Density (lb/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs

*Processes include the following: Mold Release, Treat White Center Line, Tread White Letter, White Tire Paint A, Tread Cement, Calender Splice Cement, Solvent

** HAP Calculation/Data obtained from previous permits, AA099-21235-00052 & TV099-7525-00052, was calculated as follows: lbs HAP/hr * 8760 hrs/yr * 1/2000

** For (EU3, EU5, EU7, EU8): Xylene=0.22 lbs/hr, toluene=0.003 lbs/hr, Cyclohexane=1.57E-5 lbs/hr, Ethyl Benzene=1.84E-6 lbs/hr

** For EU9: Xylene=0.01 lbs/hr, Toluene=0.06 lbs/hr, Cyclohexane=1.59E-4 lbs/hr, Ethyl Benzene=1.67E-5 lbs/hr

*** EU9 Processes include: mold release, treat white center line, tread white letter, tread cement, calendar splice cement, solvent, pad ink, pad adhesive wipe, pad hardener, pad fast thinner, pad medium thinner, pad thinner

**Appendix A: Emissions Calculations
 Natural Gas Combustion Only
 MM BTU/HR <100
 Small Industrial Boiler**

Company Name: Hoosier Tire and Rubber Corp.
Address City IN Zip: 2307 Pidco Dr., Plymouth, IN 46563
Permit Number: T099-21155-00052
Plt ID: 099-00052
Reviewer: Alfred C. Dumauual
Date: 6/7/2006

Heat Input Capacity
MMBtu/hr

Potential Throughput
MMCF/yr

21.0

184.0

	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	0.6	100.0 **see below	5.5	84.0
Potential Emission in tons/yr	0.2	0.7	0.1	9.2	0.5	7.7

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

See Appendix A, page 6 of 7 for HAPs emissions calculations.

**Appendix A: Emissions Calculations
 Natural Gas Combustion Only
 MM BTU/HR <100
 Small Industrial Boiler**

**Company Name: Hoosier Tire and Rubber Corp.
 Address City IN Zip: 2307 Pidco Dr., Plymouth, IN 46563
 Permit Number: T099-21155-00052
 Pit ID: 099-00052
 Reviewer: Alfred C. Dumauual
 Date: 6/7/2006**

	HAPs - Organics				
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	1.932E-04	1.104E-04	6.899E-03	1.656E-01	3.127E-04

	HAPs - Metals				
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	4.599E-05	1.012E-04	1.288E-04	3.495E-05	1.932E-04

Methodology is the same as page 5 of 7

The five highest organic and metal HAPs emission factors are provided above.
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.