



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: April 19, 2006
RE: Mid-State Rubber Products, Inc. / 051-21852-00021
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 according to IC 13-15-6-3, 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 and IC 13-15-6-1 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, **within eighteen (18) calendar days of the mailing of this notice**. 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.

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.

Enclosures
FNPER.dot 03/23/06



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204-2251
(317) 232-8603
(800) 451-6027
www.in.gov/idem

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) OFFICE OF AIR QUALITY

**Mid-States Rubber Products, Inc.
1230 South Race Street
Princeton, Indiana 47670**

(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 provision of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; and denial of a permit renewal application. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit also addresses new source review requirements and is intended to fulfill the new source review procedures and permit revision requirements pursuant to 326 IAC 2-8-11.1, applicable to those conditions.

Operation Permit No.: F 051-21852-00021	
Issued by: Original signed by Paul Dubenetzky, Assistant Commissioner Office of Air Quality	Issuance Date: April 19, 2006 Expiration Date: April 19, 2011

TABLE OF CONTENTS

SECTION A	SOURCE SUMMARY	5
A.1	General Information [326 IAC 2-8-3(b)]	
A.2	Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]	
A.3	Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]	
A.4	FESOP Applicability [326 IAC 2-8-2]	
A.5	Prior Permits Superseded [326 IAC 2-1.1-9.5]	
SECTION B	GENERAL CONDITIONS	8
B.1	Permit No Defense [IC 13]	
B.2	Definitions [326 IAC 2-8-1]	
B.3	Permit Term [326 IAC 2-8-4(2)] [326 IAC 2-1.1-9.5]	
B.4	Term of Conditions [326 IAC 2-1.1-9.5]	
B.5	Enforceability [326 IAC 2-8-6]	
B.6	Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]	
B.7	Severability [326 IAC 2-8-4(4)]	
B.8	Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]	
B.9	Duty to Provide Information [326 IAC 2-8-4(5)(E)]	
B.10	Compliance Order Issuance [326 IAC 2-8-5(b)]	
B.11	Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]	
B.12	Annual Compliance Certification [326 IAC 2-8-5(a)(1)]	
B.13	Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]	
B.14	Emergency Provisions [326 IAC 2-8-12]	
B.15	Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]	
B.16	Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]	
B.17	Permit Renewal [326 IAC 2-8-3(h)] [326 IAC 2-8-9]	
B.18	Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]	
B.19	Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]	
B.20	Permit Revision Requirement [326 IAC 2-8-11.1]	
B.21	Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC13-14-2-2] [IC 13-17-3-2] [IC13-30-3-1]	
B.22	Transfer of Ownership or Operational Control [326 IAC 2-8-10] [IC 13-17-3-2]	
B.23	Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16] [326 IAC 2-1.1-7]	
B.24	Credible Evidence [326 IAC 2-8-4(3)] [326 IAC 2-8-5] [62 FR 8314] [326 IAC 1-1-6]	
SECTION C	SOURCE OPERATION CONDITIONS	17
	Emission Limitations and Standards [326 IAC 2-8-4(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]	
C.2	Overall Source Limit [326 IAC 2-8] [326 IAC 2-2]	
C.3	Opacity [326 IAC 5-1]	
C.4	Open Burning [326 IAC 4-1] [IC 13-17-9]	
C.5	Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]	
C.6	Fugitive Dust Emissions [326 IAC 6-4]	
C.7	Stack Height [326 IAC 1-7]	
C.8	Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61 Subpart M]	
	Testing Requirements [326 IAC 2-8-4(3)]	
C.9	Performance Testing [326 IAC 3-6]	
	Compliance Requirements [326 IAC 2-1.1-11]	
C.10	Compliance Requirements [326 IAC 2-1.1-11]	

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

- C.11 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]
- C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Corrective Actions and Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5]

- C.13 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]
- C.14 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]
- C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]

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

- C.16 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]
- C.17 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

Stratospheric Ozone Protection

- C.18 Compliance with 40 CFR 82 and 326 IAC 22-1

SECTION D.1 FACILITY OPERATION CONDITIONS: Mixing 23

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

- D.1.1 Particulate [326 IAC 6-3-2]

SECTION D.2 FACILITY OPERATION CONDITIONS: Boiler U-03 24

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

- D.2.1 Particulate [326 IAC 6-2-3]

SECTION D.3 FACILITY OPERATION CONDITIONS: Boiler U-04 25

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

- D.3.1 Particulate [326 IAC 6-2-4]
- D.3.2 Sulfur Dioxide (SO₂) [326 IAC 7-1.1-1] [326 IAC 7-2-1]
- D.3.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

Compliance Determination Requirements

- D.3.4 Sulfur Dioxide Emissions and Sulfur Content

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

- D.3.5 Visible Emissions Notations

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

- D.3.6 Record Keeping Requirements
- D.3.7 Reporting Requirements

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

- D.3.8 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]
- D.3.9 New Source Performance Standards for Small Industrial-Commercial-Institutional Steam Generating Units Requirements [40 CFR Part 60, Subpart Dc] [326 IAC 12]
- D.3.10 One Time Deadlines Relating to New Source Performance Standards for Small Industrial-Commercial-Institutional Steam Generating Units Requirements [40 CFR Part 60, Subpart Dc] [326 IAC 12]

SECTION D.4 FACILITY OPERATION CONDITIONS: Surface Coating..... 34

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

- D.4.1 FESOP and PSD Minor Limits [326 IAC 2-8] [326 IAC 2-2]
- D.4.2 Particulate [326 IAC 6-3-2(d)]
- D.4.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

Compliance Determination Requirements

- D.4.4 Volatile Organic Compounds (VOC) [326 IAC 8-1-2] [326 IAC 8-1-4]

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

- D.4.5 Monitoring

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

- D.4.6 Record Keeping Requirements
- D.4.7 Reporting Requirements

SECTION D.5 FACILITY CONDITIONS: Molding/curing hot presses..... 37

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

- D.5.1 FESOP and PSD Minor Limits [326 IAC 2-8-4] [326 IAC 2-2]
- D.5.2 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

- D.5.3 Record Keeping Requirements
- D.5.4 Reporting Requirements

Certification Form 38

Emergency Occurrence Form 39

Natural Gas-Fired Boiler Certification 41

Quarterly Report Forms 42

Quarterly Deviation and Compliance Monitoring Report Form 46

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 2-8-3(b)]

The Permittee owns and operates a stationary rubber products manufacturing source.

Authorized individual:	Director of Engineering
Source Address:	1230 South Race Street, Princeton, Indiana 47670
Mailing Address:	P.O. Box 370, Princeton, Indiana 47670
General Source Phone:	(812) 385-3473
SIC Code:	3061
Source Location Status:	Gibson
Source Status:	Attainment for all criteria pollutants Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD Rules Minor Source, Section 112 of the Clean Air Act

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

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

- (a) One (1) mixing process for manufacturing molded and extruded rubber parts, with a weighing area, identified as U-01, and a Banbury mixer, identified as U-02, constructed in 1979, equipped with a dust collector and exhausting to stack S-01, capacity: 530 pounds of rubber produced per batch, 10 batches per hour.
- (b) One (1) natural gas-fired steam generating boiler, identified as U-03, using No. 2 and No. 5 fuel oils as backup fuels, constructed in 1956, heat input capacity: 8.4 million British thermal units per hour.
- (c) One (1) natural gas-fired steam generating boiler, identified as U-04, using No. 2 and No. 5 fuel oils as backup fuels, constructed in November 1989, heat input capacity: 14.7 million British thermal units per hour.
- (d) Two (2) surface coating stations, identified as U-06 and U-09, constructed in 1965, consisting of dip coating and spray coating operations using air atomization spray guns, and equipped with dry filters for overspray control, capacity: 2.5 gallons of coatings per hour or 600 rubber and plastic or rubber and metal parts per hour.
- (e) Ninety-six (96) molding/curing hot presses, identified as U-08, constructed between 1956 and 1993, equipped with seventy-two (72) steam presses rated at 0.11 million British thermal units per hour per press and twenty-four (24) injection presses rated at 23.4 kilowatt hours per press, capacity: 4,000 pounds of rubber compounds per hour, total.

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

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

- (a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.
- (b) One (1) extruding area, identified as U-07, for extruding the batch rubber from the mixing area into long strands, maximum capacity: 5,300 pounds of rubber per hour.
- (c) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour. The total heat input capacity of the insignificant emissions units is 8.25 million British thermal units per hour.
- (d) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons. This consists of one (1) tank, installed in 1974, with a monthly fuel throughput of 550 gallons.
- (e) The following VOC and HAP storage containers: vessels storing lubricating oil, hydraulic oils, machining oils, and machining fluids.
- (f) Application of oils, greases lubricants or other nonvolatile materials applied as temporary protective coatings.
- (g) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to one percent (1%) by volume.
- (h) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
- (i) Paved and unpaved roads and parking lots with public access.
- (j) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.
- (k) On-site fire and emergency response training approved by the department.
- (l) Emergency generators as follows: Diesel generators not exceeding 1,600 horsepower (One (1) generator with a power output rating of 150 horsepower).
- (m) Purge double block and bleed valves.
- (n) Mold release agents using low volatile products (vapor pressure less than or equal to 2 kiloPascals measured at 38°C).
- (o) A laboratory as defined in 326 IAC 2-7-1(21)(D).
- (p) Four (4) plastic injection molding machines, capacity: 5,542.5 tons of resin per year when using a resin with a specific gravity of 1.43.

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

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

A.5 Prior Permits Superseded [326 IAC 2-1.1-9.5]

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

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [IC 13]

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

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

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

B.3 Permit Term [326 IAC 2-8-4(2)] [326 IAC 2-1.1-9.5]

This permit 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.

B.4 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.5 Enforceability [326 IAC 2-8-6]

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

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

B.7 Severability [326 IAC 2-8-4(4)]

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

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

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

B.9 Duty to Provide Information [326 IAC 2-8-4(5)(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 "authorized individual" as defined by 326 IAC 2-1.1-1(1). 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.10 Compliance Order Issuance [326 IAC 2-8-5(b)]

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

B.11 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

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

B.12 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form 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

- (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 2-8-4(3); and

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

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

B.13 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain 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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.14 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (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, 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: 317-233-5674 (ask for Compliance Section)
Facsimile Number: 317-233-5967

- (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

Southwest Regional Office: 812-380-2305, Facsimile Number: 812-380-2304

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

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

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

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
 - (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
 - (f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
 - (g) 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.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provision), 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 does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

- (1) That this permit contains a material mistake.
- (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
- (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]

- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]

- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ 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 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)] [326 IAC 2-8-9]

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

Request for renewal shall be submitted to:

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

- (b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]
- (1) A timely renewal application is one that is:
- (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
- (B) 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.
- (2) If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.
- (c) Right to Operate After Application for Renewal [326 IAC 2-8-9]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ 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 needed to process the application.

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

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

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

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

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

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

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

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
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 2-8-15(b) through (d). The Permittee shall make such records available, upon reasonable request, to public review.

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

- (b) **Emission Trades [326 IAC 2-8-15(c)]**
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (c) **Alternative Operating Scenarios [326 IAC 2-8-15(d)]**
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

- (d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Permit Revision Requirement [326 IAC 2-8-11.1]

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

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2] [IC 13-17-3-2] [IC13-30-3-1]

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

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

B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10] [IC 13-17-3-2]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

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

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

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

- (a) The Permittee shall pay annual fees to IDEM, OAQ, 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) Failure to pay may result in administrative enforcement action, or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

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

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

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emissions Limitations and Standards [326 IAC 2-8-4(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 one hundred (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 Overall Source Limit [326 IAC 2-8] [326 IAC 2-2]

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

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period. This limitation shall also make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable;
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

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

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

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

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

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]

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

C.6 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).

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

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

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

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

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

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ 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.10 Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented upon issuance of this permit. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment.

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

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

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

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

C.13 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

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

C.14 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

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

(b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:

- (1) initial inspection and evaluation;
- (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
- (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

- (1) monitoring results;
 - (2) review of operation and maintenance procedures and records;
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
- (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred 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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

C.16 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner 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.17 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period.

The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC2-1.1-1(1).

- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:
- Indiana Department of Environmental Management
Compliance Branch, 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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) The first report covered the period commencing on the date of issuance of the original FESOP and ended on the last day of the reporting period. All subsequent reporting periods shall be based on calendar years.

Stratospheric Ozone Protection

C.18 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

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (a) One (1) mixing process for manufacturing molded and extruded rubber parts, with a weighing area, identified as U-01, and a Banbury mixer, identified as U-02, constructed in 1979, equipped with a dust collector and exhausting to stack S-01, capacity: 530 pounds of rubber produced per batch, 10 batches per hour.

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

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

D.1.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the mixing process (U-01 and U-02) shall not exceed 7.88 pounds per hour, total, when operating at a process weight rate of 5,300 pounds per hour

The pounds per hour limitation was calculated with the following equation:

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

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (b) One (1) natural gas-fired steam generating boiler, identified as U-03, using No. 2 and No. 5 fuel oils as backup fuels, constructed in 1956, heat input capacity: 8.4 million British thermal units per hour.

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

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

D.2.1 Particulate [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3 (d) (Particulate Emission Limitations for Sources of Indirect Heating: emission limitations for facilities specified in 326 IAC 6-2-1 (b)), PM emissions from all facilities used for indirect heating purposes which were existing and in operation on or before June 8, 1972, shall in no case exceed 0.8 pounds of particulate matter per million British thermal units heat input.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (c) One (1) natural gas-fired steam generating boiler, identified as U-04, using No. 2 and No. 5 fuel oils as backup fuels, constructed in November 1989, heat input capacity: 14.7 million British thermal units per hour.

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

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

D.3.1 Particulate [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating) the PM emissions from the 14.7 million British thermal units per hour heat input boiler, identified as U-04, shall be limited to 0.48 pound per million British thermal units heat input.

This limitation is based on the following equation:

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

where:

Pt = Pounds of particulate matter emitted per million British thermal units (lb/mmBtu) heat input

Q = Total source maximum operating capacity rating in million Btu per hour (mmBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used.

D.3.2 Sulfur Dioxide (SO₂) [326 IAC 7-1.1-1] [326 IAC 7-2-1]

- (a) Pursuant to 326 IAC 7-1.1 (SO₂ Emissions Limitations), the SO₂ emissions from the one (1) boiler, identified as U-04, shall not exceed five tenths (0.5) pounds per million British thermal unit heat input when operating on distillate oil. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a thirty (30) day rolling weighted average.
- (b) Pursuant to 326 IAC 7-1.1 (SO₂ Emissions Limitations), the SO₂ emissions from the one (1) boiler, identified as U-04, shall not exceed one and six-tenths (1.6) pounds per million British thermal unit heat input when operating on residual oil. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a thirty (30) day rolling weighted average.

D.3.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

Compliance Determination Requirements

D.3.4 Sulfur Dioxide Emissions and Sulfur Content

Compliance shall be determined utilizing one of the following options.

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pounds per million British thermal unit heat input when operating on distillate oil and one and six-tenths (1.6) pounds per million British thermal unit heat input when operating on residual oil by:
- (1) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification; or
 - (2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
 - (A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
 - (B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.
- (b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the aggregate dryer and drum mixer using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to any of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

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

D.3.5 Visible Emissions Notations

- (a) Visible emission notations of the boiler (U-04) stack exhaust shall be performed once per day during normal daylight operations when exhausting to the atmosphere when combusting oil. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

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

D.3.6 Record Keeping Requirements

- (a) To document compliance with Condition D.3.2, the Permittee shall maintain records in accordance with (1) through (4) below.
 - (1) Calendar dates covered in the compliance determination period;

- (2) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period, the natural gas fired boiler certification does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1); and

If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, shall be maintained:

- (3) The name of the fuel supplier; and
 - (4) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.
- (b) To document compliance with Condition D.3.5, the Permittee shall maintain records of visible emission notations of the boiler stack exhaust once per day when combusting oil.
 - (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.3.7 Reporting Requirements

The natural gas boiler certification 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 its equivalent, within thirty (30) days after the end of the six (6) month period being reported. The natural gas-fired boiler certification does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1.

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

D.3.8 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

- (a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1 for the one (1) boiler, identified as U-04, except as otherwise specified in 40 CFR Part 60, Subpart Dc.
- (b) Pursuant to 40 CFR 60.10, 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.3.9 New Source Performance Standards for Small Industrial-Commercial-Institutional Steam Generating Units Requirements [40 CFR Part 60, Subpart Dc] [326 IAC 12]

Pursuant to 40 CFR Part 60, Subpart Dc, the Permittee shall comply with the provisions of the New Source Performance Standards for Small Industrial-Commercial-Institutional Steam Generating Units, which are incorporated by reference as 326 IAC 12 for the one (1) boiler, identified as U-04, 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, “Standard Specification for Classification of Coals by Rank” (incorporated by reference—see §60.17); coal refuse; and petroleum coke. 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 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.

§60.42c Standard for sulfur dioxide

(d) On and after the date on which the initial performance test is completed or required to be completed under §60.8 of this part, whichever date comes first, no owner or operator of an affected facility that combusts oil shall cause to be discharged into the atmosphere from that affected facility any gases that contain SO₂ in excess of 215 ng/J (0.50 lb/million Btu) heat input; or, as an alternative, no owner or operator of an affected facility that combusts oil shall combust oil in the affected facility that contains greater than 0.5 weight percent sulfur. The percent reduction requirements are not applicable to affected facilities under this paragraph.

(g) Except as provided in paragraph (h) of this section, compliance with the percent reduction requirements, fuel oil sulfur limits, and emission limits of this section shall be determined on a 30-day rolling average basis.

(h) For affected facilities listed under paragraphs (h)(1), (2), or (3) of this section, compliance with the emission limits or fuel oil sulfur limits under this section may be determined based on a certification from the fuel supplier, as described under §60.48c(f)(1), (2), or (3), as applicable.

(1) Distillate oil-fired affected facilities with heat input capacities between 2.9 and 29 MW (10 and 100 million Btu/hr).

(2) Residual oil-fired affected facilities with heat input capacities between 2.9 and 8.7 MW (10 and 30 million Btu/hr).

(i) The SO₂ emission limits, fuel oil sulfur limits, and percent reduction requirements under this section apply at all times, including periods of startup, shutdown, and malfunction.

(j) Only the heat input supplied to the affected facility from the combustion of coal and oil is counted under this section. No credit is provided for the heat input to the affected facility from wood or other fuels or for heat derived from exhaust gases from other sources, such as stationary gas turbines, internal combustion engines, and kilns.

§60.44c Compliance and performance test methods and procedures for sulfur dioxide.

(g) For oil-fired affected facilities where the owner or operator seeks to demonstrate compliance with the fuel oil sulfur limits under §60.42c based on shipment fuel sampling, the initial performance test shall consist of sampling and analyzing the oil in the initial tank of oil to be fired in the steam generating unit to demonstrate that the oil contains 0.5 weight percent sulfur or less. Thereafter, the owner or operator of the affected facility shall sample the oil in the fuel tank after each new shipment of oil is received, as described under §60.46c(d)(2).

(h) For affected facilities subject to §60.42c(h)(1), (2), or (3) where the owner or operator seeks to demonstrate compliance with the SO₂ standards based on fuel supplier certification, the performance test shall consist of the certification, the certification from the fuel supplier, as described under §60.48c(f)(1), (2), or (3), as applicable.

§60.46c Emission monitoring for sulfur dioxide

(e) The monitoring requirements of paragraphs (a) and (d) of this section shall not apply to affected facilities subject to §60.42c(h) (1), (2), or (3) where the owner or operator of the affected facility seeks to demonstrate compliance with the SO₂ standards based on fuel supplier certification, as described under §60.48c(f) (1), (2), or (3), as applicable.

§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.

(2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under §60.42c, or §60.43c.

(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.

(4) Notification if an emerging technology will be used for controlling SO₂ emissions. The Administrator will examine the description of the control device and will determine whether the technology qualifies as an emerging technology. In making this determination, the Administrator may require the owner or operator of the affected facility to submit additional information concerning the control device. The affected facility is subject to the provisions of §60.42c(a) or (b)(1), unless and until this determination is made by the Administrator.

(b) The owner or operator of each affected facility subject to the SO₂ emission limits of §60.42c, or the PM or opacity limits of §60.43c, shall submit to the Administrator the performance test data from the initial and any subsequent performance tests and, if applicable, the performance evaluation of the CEMS and/or COMS using the applicable performance specifications in appendix B.

(d) The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall submit reports to the Administrator.

(e) The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records and submit reports as required under paragraph (d) of this section, including the following information, as applicable.

(1) Calendar dates covered in the reporting period.

(2) Each 30-day average SO₂ emission rate (nj/J or lb/million Btu), or 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period; reasons for any noncompliance with the emission standards; and a description of corrective actions taken.

(4) Identification of any steam generating unit operating days for which SO₂ or diluent (oxygen or carbon dioxide) data have not been obtained by an approved method for at least 75 percent of the operating hours; justification for not obtaining sufficient data; and a description of corrective actions taken.

(5) Identification of any times when emissions data have been excluded from the calculation of average emission rates; justification for excluding data; and a description of corrective actions taken if data have been excluded for periods other than those during which coal or oil were not combusted in the steam generating unit.

(11) If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described under paragraph (f)(1), (2), or (3) of this section, as applicable. In addition to records of fuel supplier certifications, the report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

(f) Fuel supplier certification shall include the following information:

(1) For distillate oil:

(i) The name of the oil supplier; and

(ii) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in §60.41c.

(2) For residual oil:

(i) The name of the oil supplier;

(ii) The location of the oil when the sample was drawn for analysis to determine the sulfur content of the oil, specifically including whether the oil was sampled as delivered to the affected facility, or whether the sample was drawn from oil in storage at the oil supplier's or oil refiner's facility, or other location;

(iii) The sulfur content of the oil from which the shipment came (or of the shipment itself); and

(iv) The method used to determine the sulfur content of the oil.

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

(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.

D.3.10 One Time Deadlines Relating to New Source Performance Standards for Small Industrial-Commercial-Institutional Steam Generating Units Requirements [40 CFR Part 60, Subpart Dc] [326 IAC 12]

The Permittee shall comply with the following requirements by the dates listed:

Requirement	Rule Cite	Affected Facility	Deadline
Notification of the date of construction or reconstruction	40 CFR 60.48c(a)	U-04	no later than 30 days after such date
Notification of the date of anticipated startup and actual startup	40 CFR 60.48c(a)	U-04	within 15 days after such date

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (d) Two (2) surface coating stations, identified as U-06 and U-09, constructed in 1965, consisting of dip coating and spray coating operations using air atomization spray guns, and equipped with dry filters for overspray control, capacity: 2.5 gallons of coatings per hour or 600 rubber and plastic or rubber and metal parts per hour.

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

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

D.4.1 FESOP and PSD Minor Limits [326 IAC 2-8] [326 IAC 2-2]

- (a) Pursuant to 326 IAC 2-8, FESOP, the use of VOC, including coatings, dilution solvents, and cleaning solvents shall be limited to no more than 55.0 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This usage limit is required to limit the potential to emit of VOC to less than 55.0 tons per year from the surface coating operations, and, in conjunction with Condition D.5.1, less than one hundred (100) tons per year from the entire source. Compliance with this limit makes 326 IAC 2-7 (Part 70) and 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.
- (b) The usage of each individual HAP at the coating operations shall not exceed 9.00 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This usage limit is required to limit the potential to emit of each individual HAP to less than ten (10) tons per year from the surface coating operations, and, in conjunction with Condition D.5.1, less than ten (10) tons per year from the entire source.
- (c) The usage of any combination of HAPs at the coating operations shall not exceed 11.7 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This usage limit is required to limit the potential to emit total HAPs to less than 11.7 tons per year from the surface coating operations and, in conjunction with Condition D.5.1, less than twenty-five (25) tons per year from the entire source.

D.4.2 Particulate [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), particulate from the surface coating processes shall be controlled by a dry particulate filter, waterwash, or an equivalent control device, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

D.4.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and their control devices.

Compliance Determination Requirements

D.4.4 Volatile Organic Compounds (VOC) [326 IAC 8-1-2] [326 IAC 8-1-4]

Compliance with the VOC usage limitation contained in Condition D.4.1 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

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

D.4.5 Monitoring

- (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 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.

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

D.4.6 Record Keeping Requirements

- (a) To document compliance with Condition D.4.1, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Condition D.4.1. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
 - (1) The VOC, individual HAP and total HAP content of each coating material and solvent used.
 - (2) The amount of coating material and solvent less water used on monthly basis.
 - (A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;
 - (3) The total VOC usage for each month; and
 - (4) The weight of VOCs emitted for each compliance period.

- (b) To document compliance with Condition D.4.5, the Permittee shall maintain a log of weekly overspray observations, and daily and monthly inspections.

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

D.4.7 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.4.1(a), (b) and (c) 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.5

FACILITY CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (e) Ninety-six (96) molding/curing hot presses, identified as U-08, constructed between 1956 and 1993, equipped with seventy-two (72) steam presses rated at 0.11 million British thermal units per hour per press and twenty-four (24) injection presses rated at 23.4 kilowatt hours per press, capacity: 4,000 pounds of rubber compounds per hour, total.

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

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

D.5.1 FESOP and PSD Minor Limits [326 IAC 2-8-4] [326 IAC 2-2]

Pursuant to 326 IAC 2-8, FESOP, the throughput of rubber compounds at the molding/curing hot presses, identified as U-08, shall not exceed 6,740.82 tons (13,481,640 pounds) per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This throughput limit is required to limit the potential to emit of VOC to 32.8 tons per year, an individual HAP to 8.90 tons per year, and total HAPs to 9.03 tons per year from the molding/curing hot presses, and, in conjunction with Condition D.4.1, less than one hundred (100) tons of VOC, ten (10) tons of each individual HAP, and twenty-five (25) tons of total HAPs per year from the entire source. Compliance with this limit makes 326 IAC 2-7 (Part 70) and 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

D.5.2 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

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

D.5.3 Record Keeping Requirements

- (a) To document compliance with Condition D.5.1, the Permittee shall maintain monthly records of the total amount of rubber compounds throughput at the molding/curing hot presses.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.5.4 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.5.1 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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: Mid-States Rubber Products, Inc.
Source Address: 1230 South Race Street, Princeton, Indiana 47670
Mailing Address: P.O. Box 370, Princeton, Indiana 47670
FESOP No.: 051-21852-00021

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:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
Phone: 317-233-5674
Fax: 317-233-5967**

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

Source Name: Mid-States Rubber Products, Inc.
Source Address: 1230 South Race Street, Princeton, Indiana 47670
Mailing Address: P.O. Box 370, Princeton, Indiana 47670
FESOP No.: 051-21852-00021

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) <ul style="list-style-type: none">• The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and• The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16 |
|---|

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

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

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
SEMI- ANNUAL NATURAL GAS-FIRED BOILER CERTIFICATION**

Source Name: Mid-States Rubber Products, Inc.
Source Address: 1230 South Race Street, Princeton, Indiana 47670
Mailing Address: P.O. Box 370, Princeton, Indiana 47670
FESOP No.: 051-21852-00021

<input type="checkbox"/> Natural Gas Only
<input type="checkbox"/> 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: _____
Date: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Mid-States Rubber Products, Inc.
Source Address: 1230 South Race Street, Princeton, Indiana 47670
Mailing Address: P.O. Box 370, Princeton, Indiana 47670
FESOP No.: 051-21852-00021
Facilities: Two (2) surface coating stations, identified as U-06 and U-09
Parameter: VOC usage
Limit: 55.0 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month

YEAR: _____

Month	VOC Usage (tons)	VOC Usage (tons)	VOC Usage (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this month.
- Deviation/s occurred in this month.
Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Mid-States Rubber Products, Inc.
Source Address: 1230 South Race Street, Princeton, Indiana 47670
Mailing Address: P.O. Box 370, Princeton, Indiana 47670
FESOP No.: 051-21852-00021
Facilities: Two (2) surface coating stations, identified as U-06 and U-09
Parameter: Individual HAP usage
Limit: 9.00 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month

YEAR: _____

Month	Worst-case Individual HAP Usage (tons)	Worst-case Individual HAP Usage (tons)	Worst-case Individual HAP Usage (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this month.
- Deviation/s occurred in this month.
Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Mid-States Rubber Products, Inc.
Source Address: 1230 South Race Street, Princeton, Indiana 47670
Mailing Address: P.O. Box 370, Princeton, Indiana 47670
FESOP No.: 051-21852-00021
Facilities: Two (2) surface coating stations, identified as U-06 and U-09
Parameter: Total HAP usage
Limit: 11.7 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month

YEAR: _____

Month	Total HAP Usage (tons)	Total HAP Usage (tons)	Total HAP Usage (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this month.
- Deviation/s occurred in this month.
Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Mid-States Rubber Products, Inc.
Source Address: 1230 South Race Street, Princeton, Indiana 47670
Mailing Address: P.O. Box 370, Princeton, Indiana 47670
FESOP No.: 051-21852-00021
Facilities: Molding/curing hot presses, identified as U-08
Parameter: Rubber compound throughput
Limit: 6,740.82 tons (13,481,640 pounds) per twelve (12) consecutive month period, total, with compliance determined at the end of each month

YEAR: _____

Month	Rubber Throughput (tons)	Rubber Throughput (tons)	Rubber Throughput (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this month.
- Deviation/s occurred in this month.
Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

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

Source Name: Mid-States Rubber Products, Inc.
Source Address: 1230 South Race Street, Princeton, Indiana 47670
Mailing Address: P.O. Box 370, Princeton, Indiana 47670
FESOP No.: 051-21852-00021

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: _____

A certification is not required for this report.

Indiana Department of Environmental Management Office of Air Quality

Addendum to the
Technical Support Document for Federally Enforceable State Operating Permit (FESOP)

Source Name: Mid-States Rubber Products, Inc.
Source Location: 1230 South Race Street, Princeton, Indiana 47670
County: Gibson
FESOP: F 051-21852-00021
SIC Code: 3061
Permit Reviewer: CarrieAnn Paukowits

On February 20, 2006, the Office of Air Quality (OAQ) had a notice published in the Princeton Daily Clarion, Princeton, Indiana, stating that Mid-States Rubber Products, Inc. had applied for a Federally Enforceable State Operating Permit (FESOP) to operate a rubber and plastic products manufacturing source with a dust collector and dry filters as controls. The notice also stated that OAQ proposed to issue a FESOP for this operation and provided information on how the public could review the proposed FESOP and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this FESOP should be issued as proposed.

Upon further review, the OAQ has decided to make the following changes to the FESOP (The permit language is changed to read as follows (deleted language appears as ~~strikeouts~~, new language is **bolded**):

Change 1:

Upon further review, IDEM has decided to include the following update to further address and clarify the term of the conditions. This includes the addition of the following condition (the remainder of Section B has been renumbered accordingly).

B.4 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.**

Change 2:

The rule cites for Condition B.17 (previously B.16) have been revised as follows:

B.167 Permit Renewal [326 IAC 2-8-3(h)] **[326 IAC 2-8-9]**

Change 3:

Upon further review, IDEM has decided to remove (d) concerning nonroad engines from Condition B.18 (previously B.17), Permit Amendment or Modification. 40 CFR 89, Appendix A specifically indicates that states are not precluded from regulating the use and operation of nonroad engines, such as regulations on hours of usage, daily mass emission limits, or sulfur limits on fuel; nor are permits regulating such operations precluded, once the engine is no longer new. Therefore, Condition B.18 has been revised as follows:

B.178 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

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

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

Any such application shall be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]
- ~~(d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.~~

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

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

Source Background and Description

Source Name:	Mid-States Rubber Products, Inc.
Source Location:	1230 South Race Street, Princeton, Indiana 47670
County:	Gibson
SIC Code:	3061
Operation Permit No.:	F 051-21852-00021
Permit Reviewer:	CarrieAnn Paukowits

The Office of Air Quality (OAQ) has reviewed a FESOP application from Mid-States Rubber Products, Inc. relating to the operation of a rubber and plastic products manufacturing source. This is a transition from a Part 70 Operating Permit (T 051-7807-00021), issued on September 5, 2000, and expired on September 5, 2005, to a FESOP.

Permitted Emission Units and Pollution Control Equipment

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

- (a) One (1) mixing process for manufacturing molded and extruded rubber parts, with a weighing area, identified as U-01, and a Banbury mixer, identified as U-02, constructed in 1979, equipped with a dust collector and exhausting to stack S-01, capacity: 530 pounds of rubber produced per batch, 10 batches per hour.
- (b) One (1) natural gas-fired steam generating boiler, identified as U-03, using No. 2 and No. 5 fuel oils as backup fuels, constructed in 1956, heat input capacity: 8.4 million British thermal units per hour.
- (c) One (1) natural gas-fired steam generating boiler, identified as U-04, using No. 2 and No. 5 fuel oils as backup fuels, constructed in November 1989, heat input capacity: 14.7 million British thermal units per hour.
- (d) Two (2) surface coating stations, identified as U-06 and U-09, constructed in 1965, consisting of dip coating and spray coating operations using air atomization spray guns, and equipped with dry filters for overspray control, capacity: 2.5 gallons of coatings per hour or 600 rubber and plastic or rubber and metal parts per hour.
- (e) Ninety-six (96) molding/curing hot presses, identified as U-08, constructed between 1956 and 1993, equipped with seventy-two (72) steam presses rated at 0.11 million British thermal units per hour per press and twenty-four (24) injection presses rated at 23.4 kilowatt hours per press, capacity: 4,000 pounds of rubber compounds per hour, total.

Unpermitted Emission Units and Pollution Control Equipment

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

New Emission Units and Pollution Control Equipment Receiving Advanced Source Modification Approval

There are no proposed emission units during this review process.

Emission Units and Pollution Control Equipment Removed

The following facilities have been removed from the source and are not included in the proposed permit:

One (1) conveyorized degreaser, identified as U-05, constructed in 1968 and rebuilt in 1973, with a maximum capacity of 360 cubic feet, and exhausting to stack S-04.

Insignificant Activities

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

- (a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.
- (b) One (1) extruding area, identified as U-07, for extruding the batch rubber from the mixing area into long strands, maximum capacity: 5,300 pounds of rubber per hour.
- (c) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour. The total heat input capacity of the insignificant emissions units is 8.25 million British thermal units per hour.
- (d) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons. This consists of one (1) tank, installed in 1974, with a monthly fuel throughput of 550 gallons.
- (e) The following VOC and HAP storage containers: vessels storing lubricating oil, hydraulic oils, machining oils, and machining fluids.
- (f) Application of oils, greases lubricants or other nonvolatile materials applied as temporary protective coatings.
- (g) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to one percent (1%) by volume.
- (h) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
- (i) Paved and unpaved roads and parking lots with public access.
- (j) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.
- (k) On-site fire and emergency response training approved by the department.
- (l) Emergency generators as follows: Diesel generators not exceeding 1,600 horsepower (One (1) generator with a power output rating of 150 horsepower).
- (m) Purge double block and bleed valves.
- (n) Mold release agents using low volatile products (vapor pressure less than or equal to 2 kiloPascals measured at 38°C).

- (o) A laboratory as defined in 326 IAC 2-7-1(21)(D).
- (p) Four (4) plastic injection molding machines, capacity: 5,542.5 tons of resin per year when using a resin with a specific gravity of 1.43.

Existing Approvals

The source has been operating under the previous Part 70 Operating Permit, T 051-7807-00021, issued on September 5, 2000, with an expiration date of September 5, 2005.

All terms and conditions from previous approvals were either incorporated as originally stated, revised or deleted by this FESOP. The following terms and conditions have been deleted:

- (a) Conditions D.1.1 through D.1.7 from T 051-7807-00021, issued on September 5, 2000: Conditions applicable to the one (1) conveyORIZED degreaser, due to the applicability of the Halogenated Solvent Cleaning Machine NESHAP (40 CFR Part 63, Subpart T and 326 IAC 20-6-1).

Reason not incorporated: The one (1) conveyORIZED degreaser has been removed from this source. Therefore, the Halogenated Solvent Cleaning Machine NESHAP is no longer applicable to this source.

- (b) T 051-7807-00021, issued on September 5, 2000, Condition D.5.1: Pursuant to 326 IAC 6-3 (Process Operations), the PM from the two (2) surface coating stations (U-06 and U-09) shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation and extrapolation 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:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

Reason not incorporated: The 326 IAC 6-3 revisions that became effective on June 12, 2002, were approved into the State Implementation Plan on September 23, 2005. These rules replace the previous version of 326 IAC 6-3 (Process Operations) that had been part of the SIP; therefore, the requirements of the previous version of 326 IAC 6-3-2 are no longer applicable to this source. The surface coating operations are now subject to the requirements of 326 IAC 6-3-2(d) as shown under the *State Rule Applicability - Individual Facilities* section of this permit.

- (c) T 051-7807-00021, issued on September 5, 2000, Condition D.6.1:
 - (1) Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the extruding area shall not exceed 7.88 pounds per hour when operating at a process weight rate of 5,300 pounds per hour.
 - (2) Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the insignificant brazing equipment, cutting torches, soldering equipment, and welding equipment shall not exceed allowable PM emission rate based on the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and}$$
$$P = \text{process weight rate in tons per hour}$$

Reason not incorporated: The 326 IAC 6-3 revisions that became effective on June 12, 2002, were approved into the State Implementation Plan on September 23, 2005. These rules replace the previous version of 326 IAC 6-3 (Process Operations) that had been part of the SIP; therefore, the requirements of the previous version of 326 IAC 6-3-2 are no longer applicable to this source. The insignificant extruding area, brazing equipment, cutting torches, soldering equipment, and welding equipment are exempt from the requirements of the new version of 326 IAC 6-3, as shown under the *State Rule Applicability - Individual Facilities* section of this permit.

- (d) Condition C.15 from T 051-7807-00021, issued on September 5, 2000, Compliance Monitoring Plan - Failure to Take Response Steps

Reason not incorporated: IDEM has reconsidered the requirement to develop and follow a Compliance Monitoring and Response Plan. The Permittee will still be required to take reasonable response steps when a compliance monitoring parameter is determined to be out of range or abnormal. Replacing the requirement to develop and follow a Compliance Response Plan with a requirement to take reasonable response steps will ensure that the control equipment is returned to proper operation as soon as practicable, while still allowing the Permittee the flexibility to respond to situations that were not anticipated.

- (e) Condition C.17 from T 051-7807-00021, issued on September 5, 2000, Emission Statement

Reason not incorporated: This source has opted to become a FESOP source rather than renew the Title V, Part 70 Operating Permit. This source is not located in Lake or Porter County with the potential to emit greater than twenty-five (25) tons per year of NO_x, does not emit five (5) tons per year or more of lead and does not require a Part 70 Operating Permit. Therefore, the requirements of 326 IAC 2-6 do not apply.

- (f) Condition D.5.4(c) from T 051-7807-00021, issued on September 5, 2000, Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

And Condition D.5.5(a) from T 051-7807-00021, issued on September 5, 2000, the requirement to maintain records of additional inspections prescribed by the Preventive Maintenance Plan.

Reason not incorporated: IDEM has determined that it is the Permittee's responsibility to include routine control device inspection requirements in the applicable preventive maintenance plan. Since the Permittee is in the best position to determine the appropriate frequency of control device inspections and the details regarding which components of the control device should be inspected, conditions requiring inspections have been removed from this permit. IDEM has also determined that the Permittee is not required to keep records of all preventive maintenance. However, where the Permittee seeks to demonstrate that an emergency has occurred, the Permittee must provide, upon request, records of preventive maintenance in order to establish that the lack of proper maintenance did not cause or contribute to the deviation.

- (g) Condition C.13 from T 051-7807-00021, issued on September 5, 2000, Emergency Reduction Plans

Reason not incorporated: In order to comply with 326 IAC 2-8, FESOP, the potential to emit VOC will be limited to less than one hundred (100) tons per year, the potential to emit each individual HAP will be limited to less than ten (10) tons per year, and the potential to emit any combination of HAPs will be limited to less than twenty-five (25) tons per year. Therefore, an Emergency Reduction Plan is no longer required for this source.

- (h) Condition D.2.2(d) from T 051-7807-00021, issued on September 5, 2000:

The sulfur content of the fuel No. 5 fuel oil shall not exceed forty-five-hundredths percent (0.45%) by weight. [40 CFR 60.42c(d)]

Reason not incorporated: Pursuant to 40 CFR 60.42c(d), no owner or operator of an affected facility that combusts oil shall cause to be discharged into the atmosphere from that affected facility any gases that contain SO₂ in excess of 215 ng/J (0.50 lb/million Btu) heat input; or, as an alternative, no owner or operator of an affected facility that combusts oil shall combust oil in the affected facility that contains greater than 0.5 weight percent sulfur. Therefore, the limit is one half percent (0.5%) sulfur. There is no reason to limit the weight percent sulfur to forty-five-hundredths percent (0.45%) by weight.

Enforcement Issue

- (a) IDEM is aware that the source did not submit a Part 70 renewal application by January 5, 2005, which is nine (9) months prior to the September 5, 2005 expiration date.
- (b) IDEM is reviewing this matter and will take appropriate action. This proposed permit is intended to satisfy the requirements of the operation permit rules.

Recommendation

The staff recommends to the Commissioner that the FESOP 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 FESOP renewal application for the purposes of this review was received on October 3, 2005. Additional information was received on December 1, 2005.

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

Emission Calculations

See pages 1 through 11 of Appendix A of this document for detailed emission calculations.

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source, excluding the emission limits that were contained in the previous FESOP.

Pollutant	Unrestricted Potential Emissions (tons/yr)
PM	60.0
PM ₁₀	61.3
SO ₂	57.2
VOC	259
CO	11.8
NO _x	44.8

HAPs	Unrestricted Potential Emissions (tons/yr)
1,1,1-Trichloroethane	0.082
1,1-Dichloroethene	0.042
1,3-Butadiene	0.397
1,4-Dichlorobenzene	0.002
2-Chloro-1,3-Butadiene	0.159
2-Chloroacetophenone	< 0.001
2-Methylphenol	< 0.001
MIBK	53.6
Acetaldehyde	0.070
Acetophenone	0.078
Acrolein	0.107
Acrylonitrile	0.948
Aniline	0.092
Benzene	0.043
Benzidine	0.005
Biphenyl	< 0.001
Bis(2-Ethylhexyl)phthalate	0.221
Cadmium	0.002
Carbon Disulfide	24.2
Carbon Tetrachloride	0.005
Carbonyl Sulfide	8.49
Chloroethane	0.001
Chloroform	0.007

HAPs	Unrestricted Potential Emissions (tons/yr)
Chloromethane	0.149
Chromium	2.01
Cobalt	< 0.001
Cumene	0.038
Di-n-butylphthalate	0.108
Dibenzofuran	0.001
Dichlorobenzene	< 0.001
Dimethylphthalate	0.001
Ethylbenzene	33.8
Hexachlorobutadiene	< 0.001
Hexane	1.11
Isooctane	0.112
Isophorone	0.025
Lead	3.58
Methylene Chloride	0.224
Xylenes	134
Naphthalene	0.055
Nickel	2.00
Nitrobenzene	0.012
o-Toluidine	0.028
Phenol	0.330
Propylene Oxide	0.064
Styrene	2.07
t-Butyl Methyl Ether	0.057
Tetrachloroethylene	4.81
Toluene	159
Trichloroethylene	1.01
Vinyl Chloride	0.008
MDI	1.74
Epichlorohydrin	0.686
Formaldehyde	0.008
Manganese	2.00

HAPs	Unrestricted Potential Emissions (tons/yr)
Arsenic	0.002
Beryllium	0.002
Mercury	0.002
Selenium	0.008
Total	189

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of VOC is equal to or greater than one hundred (100) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7. The source will be issued a FESOP because the source will limit its emissions below the Title V levels.
- (b) 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 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. The source will be issued a FESOP because the source will limit its emissions below the Title V levels.
- (c) Fugitive Emissions
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 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.

Potential to Emit After Issuance

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

Process/emission unit	Potential To Emit (tons/year)						
	PM	PM ₁₀	SO ₂	VOC	CO	NO _x	HAPs
One (1) mixing process (U-01 and U-02)	13.1	13.1	0.00	5.33	0.00	0.00	1.30
Two (2) boilers (U-03 and U-04)	7.28	8.37	57.1	0.823	8.50	40.0	0.123
Two (2) surface coating stations (U-06 and U-09)	2.25	2.25	0.00	55.0	0.00	0.00	9.00 individual; 11.7 total
Ninety-six (96) molding/curing hot presses (U-08)	0.00	0.00	0.00	32.8	0.00	0.00	8.90 individual; 9.03 total
Insignificant Activities	17.2	17.2	0.099	5.97	3.29	4.78	2.00 individual; 2.77 total
Total Emissions	39.8	41.1	57.2	< 100	11.8	44.8	<10 individual; < 25 total

The potential to emit in this table is the unrestricted potential emissions from the mixing process, boilers and insignificant activities, and the limited potential to emit from the molding/curing hot presses and surface coating, based on the limited rubber compound throughput at the molding/curing presses and the limited product usage at the surface coating operations (see 326 IAC 2-8 (FESOP) in the State Rule Applicability Section of this Document). Note that the potential to emit PM₁₀ does not add to the total indicated in the Total Emissions row due to the numbers being rounded before presented in this table (see page 1 of Appendix A).

County Attainment Status

The source is located in Gibson County.

Pollutant	Status
PM _{2.5}	Attainment
PM ₁₀	Attainment
SO ₂	Attainment
NO ₂	Attainment
1-Hour Ozone	Attainment
8-Hour 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 and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Gibson County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability - Entire Source section of this document.
- (b) This portion of Gibson 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 for the source section.
- (c) Gibson County has been classified as attainment or unclassifiable in Indiana for all remaining 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 - Entire Source section of this document.

Source Status

Existing Source PSD, Part 70, or FESOP Definition (emissions after controls, based on 8760 hours of operation per year at rated capacity and/or as otherwise limited). Note that the values in this table represent the potential to emit in the existing Part 70 Operating Permit. The potential to emit after issuance of this FESOP is found in the table under "Potential to Emit After Issuance."

Pollutant	Emissions (tons/yr)
PM	60.0
PM ₁₀	61.3
SO ₂	57.2
VOC	259
CO	11.8
NO _x	44.8
Single HAP (Worst case is Toluene)	159
Combination HAPs	189

- (a) Prior to transitioning to a FESOP, this existing source was a major stationary source because an attainment regulated pollutant was emitted at a rate of two-hundred fifty (250) tons per year or greater. Since construction of this source commenced prior to August 7, 1977, a PSD permit was not required. All modifications to this source on and after August 7, 1977 were minor modifications to an existing major source.
- (b) The VOC limits in this permit which will make the requirements of 326 IAC 2-7, Part 70, not applicable, will also make this source a minor source pursuant to 326 IAC 2-2, PSD.

Federal Rule Applicability

- (a) The one (1) natural gas-fired steam generating boiler, identified as U-04, using No. 2 and No. 5 fuel oil as backup fuel, constructed in 1989 and having a maximum heat input capacity of 14.7 million British thermal units per hour, is subject to the New Source Performance Standard for Small Industrial-Commercial-Institutional Steam Generating Units (40 CFR 60.40c, Subpart Dc), which is incorporated by reference by 326 IAC 12, because it was installed after the June 9, 1989 applicability date and is rated between ten (10) and one hundred (100) million British thermal units per hour.

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

- (1) 40 CFR 60.40c
- (2) 40 CFR 60.41c
- (3) 40 CFR 60.42c (d), (g), (h)(1) and (2), (i) and (j)
- (4) 40 CFR 60.44c (g) and (h)
- (5) 40 CFR 60.46c (e)
- (6) 40 CFR 60.48c (a), (b), (d), (e)(1), (e)(2), (e)(4), (e)(5), (e)(11), (f)(1) and (2), (g), (i) and (j)

The provisions of 40 CFR 60 Subpart A – General Provisions, which are incorporated as 326 IAC 12-1, apply to the facility described in this section except when otherwise specified in 40 CFR 60 Subpart Dc.

- (b) The one (1) natural gas-fired steam generating boiler, identified as U-03, using No. 2 and No. 5 fuel oil as backup fuel, was installed prior to September 18, 1978 and has a capacity less than 250 million British thermal units per hour. Therefore, the requirements of the New Source Performance Standards, 326 IAC 12, 40 CFR 60.40, 40 CFR 60.40a, 40 CFR 60.40b and 40 CFR 60.40c, Subparts D, Da, Db and Dc, are not included in the permit for that boiler.
- (c) The requirements of the Standards of Performance for the Rubber Tire Manufacturing Industry, 326 IAC 12, (40 CFR 60.540, Subpart BBB), are not included in the permit because this source does not manufacture tires.
- (d) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP)(326 IAC 14, 20 and 40 CFR Part 61, 63) included in the permit for this source.
- (e) The requirements of the National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins, 40 CFR 63.480, Subpart U, are not included in the permit for this source. This source manufactures rubber products using elastomers. It does not produce the elastomers.
- (f) The requirements of the National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR 63.7480, Subpart DDDDD are not included in the permit for this source. The one (1) boiler, identified as U-03, was constructed in 1956, and the one (1) boiler, identified as U-04, was constructed in 1989. Therefore, these are existing boilers, and the compliance date is September 13, 2007. Due to the limits in this permit, this source will not be a major source of HAPs by the compliance date for the boilers. Therefore, this source is not an affected source.
- (g) The requirements of the National Emissions Standards for Hazardous Air Pollutants: Rubber Tire Manufacturing, 40 CFR 63.5980, Subpart XXXX, are not included in the permit for this source. This source does not manufacture tires.

State Rule Applicability – Entire Source

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

The potential to emit VOC will be limited to less than one hundred (100) tons per year so that this source may obtain a Federally Enforceable State Operating Permit (FESOP) under 326 IAC 2-8 (see below). Therefore, the potential to emit VOC is also limited to less than 250 tons per year, and this source is a minor source pursuant to 326 IAC 2-2, PSD.

326 IAC 2-4.1-1 (New source toxics control)

Since construction of each facility at this source commenced prior to July 27, 1997, the requirements of 326 IAC 2-4.1-1 are not applicable. In addition, the potential to emit each individual HAP will be limited to less than ten (10) tons per year and the potential to emit any combination of HAPs will be limited to less than twenty-five (25) tons per year so that this source may obtain a Federally Enforceable State Operating Permit (FESOP) under 326 IAC 2-8 (see below). Therefore, this source will not be a major source of HAPs.

326 IAC 2-6 (Emission Reporting)

This source is not located in Lake or Porter County with the potential to emit greater than twenty-five (25) tons per year of NO_x, does not emit five (5) tons per year or more of lead and does not require a Part 70 Operating Permit. Therefore, the requirements of 326 IAC 2-6 do not apply.

326 IAC 2-8 (FESOP)

- (a) The unrestricted potential VOC emissions are greater than one hundred (100) tons per year. The applicant has agreed to limit the potential to emit VOC to less than one hundred (100) tons per year. Therefore, the requirements of 326 IAC 2-7, Part 70, are no longer applicable. Specific limitations are as follows:
- (1) The throughput of rubber compounds at the molding/curing hot presses, identified as U-08, shall not exceed 6,740.82 tons (13,481,640 pounds) per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the potential to emit VOC from the molding/curing operations to 32.8 tons per year.
 - (2) The VOC usage at the two (2) surface coating stations, identified as U-06 and U-09, shall not exceed 55.0 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the potential to emit VOC from the coating operations to 55.0 tons per year.
 - (3) The unrestricted potential to emit VOC from all other processes at this source is 12.1 tons per year. Therefore, the limits in (1) and (2) above will limit the potential to emit VOC from the entire source to less than one hundred (100) tons per year ($32.8 + 55.0 + 12.1 = 99.9 < 100$).
- (b) The unrestricted potential emissions of MIBK, Carbon Disulfide, Ethyl benzene, Xylenes, and Toluene, all of which are HAPs, are greater than ten (10) tons per year, each, and the unrestricted potential emissions of total HAPs are greater than twenty-five (25) tons per year. The applicant has agreed to limit individual HAP emissions to less than ten (10) tons per year and total HAP emissions to less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 2-7, Part 70, are not applicable. The specific limitations are as follows:
- (1) The throughput of rubber compounds at the molding/curing hot presses, identified as U-08, shall not exceed 6,740.82 tons (13,481,640 pounds) per twelve (12) consecutive month period, total, with compliance determined at the end of each month. This will limit the potential to emit Carbon Disulfide from the molding/curing operations to 8.90 tons per year. The unrestricted potential to emit of Carbon Disulfide from all other processes at this source is 1.09 tons per year. Therefore, this will limit the total source-wide potential to emit Carbon Disulfide to less than ten (10) tons per year ($8.90 + 1.09 = 9.99 < 10$).
 - (2) The usage of each individual HAP at the two (2) surface coating stations, identified as U-06 and U-09, shall not exceed 9.00 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. Since none of the HAPs emitted used at the coating operations are emitted at a rate of 1.00 tons per year or more from the other processes at this source, this will limit the individual MIBK, Ethyl benzene, Xylenes, and Toluene emissions to less than ten (10) tons per year from the entire source.

- (3) The rubber compound throughput limit for the molding/curing hot presses, identified as U-08, stated in (1) above will also limit the potential to emit total HAPs from the curing operations to 9.03 tons per year. The usage of any combination of HAPs at the coating operations shall not exceed 11.7 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month. The unrestricted potential to emit total HAPs from all other processes at this source is 4.19 tons per year. Therefore, this will limit the potential to emit total HAPs from the entire source to less than twenty-five (25) tons per year ($9.03 + 11.7 + 4.19 = 24.9 < 25$).

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.

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)

This source, located in Gibson County, was in operation prior to December 13, 1985. Therefore, the requirements of 326 IAC 6-5 are not applicable.

326 IAC 8-6 (Organic Solvent Emission Limitations)

Operation of this source commenced prior to October 7, 1974. Therefore, the requirements of 326 IAC 8-6 are not applicable.

State Rule Applicability – Individual Facilities

326 IAC 6-2 (Particulate Emissions Limitations for Sources of Indirect Heating)

- (a) One (1) boiler, identified as U-03, was constructed in 1956 in Gibson County, and was in operation prior to September 21, 1983. Therefore, the boiler is subject to the requirements of 326 IAC 6-2-3. Pursuant to T 051-7807-00021 and 326 IAC 6-2-3(d), the particulate from the one (1) boiler shall not exceed 0.8 pound per million British thermal unit heat input. As shown on pages 7 through 9 of 11 of Appendix A, the worst-case potential particulate emissions from the boiler occur when operating on No. 5 fuel oil and are as follows:

$$2.65 \text{ tons/yr} \times 2,000 \text{ lbs/ton} / 8,760 \text{ hrs/yr} = 0.605 \text{ lbs/hr}$$
$$0.605 \text{ lbs/hr} / 8.40 \text{ mmBtu/hr} = 0.072 \text{ lbs/ton}$$

Therefore, the one (1) boiler, identified as U-03, can comply with this rule.

- (b) The one (1) boiler, identified as U-04, was constructed after September 21, 1983. Therefore, the boiler is subject to the requirements of 326 IAC 6-2-4. Pursuant to 326 IAC 6-2-4, the particulate from the boiler shall be limited by the following equation:

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

where:

Pt = Pounds of particulate matter emitted per million British thermal units (lb/mmBtu) heat input

Q = Total source maximum operating capacity rating in million Btu per hour (mmBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used. This includes the 8.4 mmBtu/hr capacity of the existing boiler.

$$Pt = 1.09 / (8.4 + 14.7)^{0.26} = 0.48 \text{ lb/mmBtu}$$

As shown on pages 7 through 9 of 11 of Appendix A, the worst-case potential particulate emissions from the boiler occur when operating on No. 5 fuel oil and are as follows:

$$4.63 \text{ tons/yr} \times 2,000 \text{ lbs/ton} / 8,760 \text{ hrs/yr} = 1.06 \text{ lbs/hr}$$
$$1.06 \text{ lbs/hr} / 14.7 \text{ mmBtu/hr} = 0.072 \text{ lbs/ton}$$

Therefore, the one (1) boiler, identified as U-04, can comply with this rule.

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

- (a) The potential particulate emissions from each extruder, each molding/curing press, and each insignificant combustion unit are less than 0.551 pounds per hour. Therefore, pursuant to 326 IAC 6-3-1(b)(14), those processes are exempt from the requirements of 326 IAC 6-3.
- (b) The two (2) boilers at this source are combustion units for indirect heating, regulated by 326 IAC 6-2. Therefore, pursuant to 326 IAC 6-3-1(b)(1), the two (2) boilers, identified as U-03 and U-04, are exempt from the requirements of 326 IAC 6-3.
- (c) Pursuant to 326 IAC 6-3-2(d), the dry filters for particulate control shall be operation in accordance with manufacturer's specifications and control emissions from the two (2) surface coating stations, identified as U-06 and U-09, at all times when the spray coating at the surface coating stations is in operation.
- (d) The insignificant welding consumes less than 625 pounds of weld wire or rod per day. Therefore, pursuant to 326 IAC 6-3-1(b)(9), the welding is exempt from the requirements of 326 IAC 6-3.
- (e) Less than 3,400 inches per hour of stock 1-inch thickness or less is cut at the insignificant torch cutting operations. Therefore, pursuant to 326 IAC 6-3-1(b)(10), the torch cutting is exempt from the requirements of 326 IAC 6-3.

- (f) Pursuant to 326 IAC 6-3-2, the particulate from the one (1) mixing process, identified as U-01 and U-02, shall not exceed 7.88 pounds per hour, total, when operating at a process weight rate of 5,300 pounds per hour. The potential to emit before control by the dust collector is 3.00 pounds per hour. Therefore, the one (1) mixing process can comply with this rule. This limitation is based upon 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:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

- (a) The potential SO₂ emissions from the one (1) boiler, identified as U-03, are less than ten (10) pounds per hour and twenty-five (25) tons per year. Therefore, this unit is not subject to the requirements of 326 IAC 7-1.1.
- (b) The potential SO₂ emissions from the one (1) boiler, identified as U-04, are greater than twenty-five (25) tons per year when operating on No. 2 or No. 5 fuel oil. Therefore, this unit is subject to the requirements of 326 IAC 7-1.1. Pursuant to this rule, SO₂ emissions from fuel combustion emissions units shall be limited as follows:
- (1) One and six-tenths (1.6) pounds per million British thermal units when combusting residual oil.
 - (2) Five-tenths (0.5) pound per million British thermal units when combusting distillate oil.

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

- (a) Although some of the molding/curing hot presses, identified as U-08, were constructed after January 1, 1980, the requirements of 326 IAC 8-1-6 are not applicable because each press is an individual facility and the potential VOC emissions are less than twenty-five (25) tons per year at each press.
- (b) The one (1) mixing process, identified as U-01 and U-02, was constructed prior to January 1, 1980. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.
- (c) The two (2) surface coating stations, identified as U-06 and U-09, were constructed prior to January 1, 1980. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.
- (d) The unrestricted potential VOC emissions from the one (1) insignificant extruding area, identified as U-07, are less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.
- (e) The unrestricted potential VOC emissions from the four (4) insignificant plastic injection molding presses are less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

326 IAC 8-2-9 (Miscellaneous Metal Coating)

Since the two (2) surface coating stations, identified as U-06 and U-09, were constructed prior to January 1, 1980 in Gibson County, the requirements of 326 IAC 8-2-9 are not applicable to any metal coating operations at those stations.

326 IAC 8-4-3 (Petroleum Liquid Storage Facilities)

The one (1) insignificant gasoline storage tank was constructed prior to January 1, 1980. Therefore, the requirements of 326 IAC 8-4-3 are not applicable.

326 IAC 8-4-6 (Gasoline Dispensing Facility)

The one (1) insignificant gasoline storage tank at the dispensing facility was constructed prior to July 1, 1989. Therefore, the requirements of 326 IAC 8-4-6 are not applicable.

Testing Requirements

There is no testing required at this time.

Compliance Requirements

Permits issued under 326 IAC 2-8 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 2-8-4. 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:

- (a) The one (1) boiler, identified as U-04, has an applicable compliance monitoring condition as specified below:

Visible emission notations of the boiler stack exhaust shall be performed once per day during normal daylight operations when exhausting to the atmosphere when combusting oil. A trained employee shall record whether emissions are normal or abnormal. 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. 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. 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. 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.

This monitoring condition is necessary because the boiler must operate properly to ensure compliance with 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), 326 IAC 7-1.1 (SO₂ Emissions Limitations) and 326 IAC 2-8 (FESOP).

- (b) The two (2) surface coating stations, identified as U-06 and U-09, 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 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.
 - (2) 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 overspray control must operate properly to ensure compliance with 326 IAC 6-3-2(d) (Particulate Emission Limitations for Manufacturing Processes) and 326 IAC 2-8 (FESOP).

Conclusion

The operation of this rubber products manufacturing source shall be subject to the conditions of the **FESOP 051-21852-00021**.

Appendix A: Emissions Calculations
Entire Source Totals

Company Name: Mid-States Rubber Products, Inc.
 Address City IN Zip: 1230 South Race St., Princeton, IN 47670
 Permit Number: 051-21852
 Plt ID: 051-00021
 Reviewer: CarrieAnn Paukowitz/MES
 Application Date: October 3, 2005

	Unrestricted Potential to Emit from Molding/Curing (tons/yr)	Unrestricted Potential to Emit from Extruders (tons/yr)	Unrestricted Potential to Emit from Mixing (tons/yr)	Unrestricted Potential to Emit from Coating (tons/yr)	Unrestricted Potential to Emit from Boilers (tons/yr)	Unrestricted Potential to Emit from Insignificant Activities other than Extruding (tons/yr)	Total Unrestricted Potential to Emit (tons/yr)	Limited Potential to Emit from Molding/Curing (tons/yr)	Limited Potential to Emit from Coating (tons/yr)	Total Limited Potential to Emit (tons/yr)
Total VOC*	85.3	1.89	5.33	161	0.823	4.08	259	32.8	55.0	99.9
Total HAPs	23.5	0.695	1.30	161	0.123	2.07	189	9.03	11.7	24.9
Total PM	0.00	0.002	13.1	22.5	7.28	17.2	60.0	0.00	2.25	39.8
Total PM10	0.00	0.002	13.1	22.5	8.37	17.4	61.3	0.00	2.25	41.1
Total SO2	0.00	0.00	0.00	0.00	57.1	0.099	57.2	0.00	0.00	57.2
Total CO	0.00	0.00	0.00	0.00	8.50	3.29	11.8	0.00	0.00	11.8
Total Nox	0.00	0.00	0.00	0.00	40.0	4.78	44.8	0.00	0.00	44.8
1,1,1-Trichloroethane	0.079	0.001	0.002	0.000	0.000	0.000	0.082	0.030	0.00	0.033
1,1-Dichloroethane	0.034	0.003	0.005	0.000	0.000	0.000	0.042	0.013	0.00	0.021
1,3-Butadiene	0.380	0.006	0.011	0.000	0.000	0.000	0.397	0.146	0.00	0.163
1,4-Dichlorobenzene	0.002	0.000	0.000	0.000	0.000	0.000	0.002	0.001	0.00	0.001
2-Chloro-1,3-Butadiene	0.159	0.000	0.000	0.000	0.000	0.000	0.159	0.061	0.00	0.061
2-Chloroacetophenone	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0001	0.000	0.00	0.000
2-Methylphenol	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00002	0.000	0.00	0.000
4-Methyl-2-Pentanone (MIBK)	0.043	0.057	0.317	53.2	0.000	0.000	53.6	0.017	9.00	9.39
Acetaldehyde	0.070	0.000	0.000	0.000	0.000	0.000	0.070	0.027	0.00	0.027
Acetophenone	0.070	0.003	0.005	0.000	0.000	0.000	0.078	0.027	0.00	0.035
Acrolein	0.078	0.010	0.019	0.000	0.000	0.000	0.107	0.030	0.00	0.059
Acrylonitrile	0.529	0.146	0.272	0.000	0.000	0.000	0.948	0.204	0.00	0.622
Aniline	0.074	0.006	0.011	0.000	0.000	0.000	0.092	0.029	0.00	0.046
Benzene	0.024	0.007	0.012	0.000	0.0001	0.00008	0.043	0.009	0.00	0.028
Benzidine	0.005	0.000	0.000	0.000	0.000	0.000	0.005	0.002	0.00	0.002
Biphenyl	0.0000	0.0001	0.0002	0.0000	0.0000	0.0000	0.0003	0.000	0.00	0.000
bis(2-Ethylhexyl)phthalate	0.201	0.004	0.016	0.000	0.000	0.000	0.221	0.078	0.00	0.097
Cadmium (Cd)	0.000	0.000	0.000	0.000	0.002	0.00004	0.002	0.000	0.00	0.002
Carbon Disulfide	23.126	0.441	0.651	0.000	0.000	0.000	24.2	8.898	0.00	9.99
Carbon Tetrachloride	0.000	0.000	0.005	0.000	0.000	0.000	0.005	0.000	0.00	0.005
Carbonyl Sulfide	7.691	0.279	0.521	0.000	0.000	0.000	8.49	2.959	0.00	3.76
Chloroethane	0.000	0.001	0.000	0.000	0.000	0.000	0.001	0.000	0.00	0.001
Chloroform	0.006	0.001	0.001	0.000	0.000	0.000	0.007	0.002	0.00	0.004
Chloromethane	0.135	0.005	0.009	0.000	0.000	0.000	0.149	0.052	0.00	0.066
Chromium (Cr) Compounds	0.000	0.006	0.003	0.000	0.002	2.00	2.01	0.000	0.00	2.01
Cobalt (Co) Compounds	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0002	0.000	0.00	0.000
Cumene	0.033	0.003	0.002	0.000	0.000	0.000	0.038	0.013	0.00	0.018
Di-n-butylphthalate	0.098	0.004	0.007	0.000	0.000	0.000	0.108	0.038	0.00	0.048
Dibenzofuran	0.001	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.00	0.001
Dimethylphthalate	0.002	0.000	0.000	0.000	0.000	0.000	0.002	0.001	0.00	0.001
Ethylbenzene	0.038	0.054	0.100	33.6	0.000	0.000	33.8	0.015	9.00	9.17
Hexachloroethane	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0001	0.000	0.00	0.000
Hexane	0.547	0.134	0.251	0.000	0.118	0.065	1.11	0.210	0.00	0.778
Isooctane	0.084	0.010	0.018	0.000	0.000	0.000	0.112	0.032	0.00	0.060
Isophorone	0.001	0.008	0.015	0.000	0.000	0.000	0.025	0.001	0.00	0.024
Lead (Pb) Compounds	0.000	0.000	0.000	3.58	0.005	0.00002	3.58	0.000	3.58	3.58
Xylenes	0.149	0.179	0.334	134	0.005	0.000	134	0.078	9.00	9.60
Methylene Chloride	0.165	0.021	0.039	0.000	0.000	0.000	0.224	0.063	0.00	0.123
Naphthalene	0.053	0.001	0.001	0.000	0.000	0.000	0.055	0.020	0.00	0.023
Nitrobenzene	0.000	0.011	0.001	0.000	0.000	0.000	0.012	0.000	0.00	0.012
Nickel (Ni) Compounds	0.000	0.000	0.000	0.000	0.002	2.00	2.00	0.000	0.00	2.002
o-Toluidine	0.028	0.000	0.000	0.000	0.000	0.000	0.028	0.011	0.00	0.011
Phenol	0.054	0.096	0.179	0.000	0.000	0.000	0.330	0.018	0.00	0.294
Propylene Oxide	0.047	0.001	0.016	0.000	0.000	0.000	0.064	0.010	0.00	0.0718
Styrene	1.822	0.087	0.162	0.000	0.000	0.000	2.07	0.008	0.00	0.257
t-Butyl Methyl Ether	0.022	0.001	0.034	0.000	0.000	0.000	0.057	1.052	0.00	1.09
Tetrachloroethylene	2.733	0.099	0.185	1.79	0.000	0.000	4.81	0.010	1.79	2.08
Toluene	0.026	0.051	0.095	159	0.0002	0.0001	159	0.173	9.00	9.32
Trichloroethylene	0.450	0.026	0.535	0.000	0.000	0.000	1.01	0.000	0.00	0.561
Vinyl Chloride	0.000	0.008	0.000	0.000	0.000	0.000	0.008	0.000	0.00	0.008
MDI	0.000	0.001	0.000	1.74	0.000	0.000	1.74	0.000	1.74	1.74
Epichlorohydrin	0.000	0.000	0.000	0.686	0.000	0.000	0.686	0.000	0.686	0.686
Dichlorobenzene	0.0000	0.0000	0.0000	0.0000	0.0001	0.00004	0.0001	0.000	0.00	0.000
Formaldehyde	0.000	0.000	0.000	0.000	0.005	0.003	0.008	0.000	0.00	0.008
Manganese	0.000	0.000	0.000	0.000	0.003	2.000	2.00	0.000	0.00	2.00
Arsenic	0.000	0.000	0.000	0.000	0.002	0.000	0.002	0.000	0.00	0.002
Beryllium	0.000	0.000	0.000	0.000	0.002	0.000	0.002	0.000	0.00	0.002
Mercury	0.000	0.000	0.000	0.000	0.002	0.000	0.002	0.000	0.00	0.002
Selenium	0.000	0.000	0.000	0.000	0.008	0.000	0.008	0.000	0.00	0.008

Emission Factors for all Rubber Manufacturing in this Appendix are from Tables 4.12-6, 4.12-8 and 4.12-4 of AP-42 draft Section 4.12

*Total VOC is the sum of the worst case total VOC or total Speciated Organics from each process. Therefore, it is the most conservative (highest) calculation of VOC emissions possible from this source.

The limit shown is the result of limiting compound throughput at the curing operations to no more than 6,740 tons per twelve (12) consecutive month period, with compliance determined at the end of each month so that individual HAP emissions from the curing do not exceed 10 tons per year, and limiting the VOC and HAP usage at the coating operations to the values listed in the column.

**Appendix A: Emissions Calculations
Potential VOC and HAPs Emissions
Press Curing Operations (Molding/Curing Hot Presses, U-08)**

Company Name: Mid-States Rubber Products, Inc.
Address City IN Zip: 1230 South Race St., Princeton, IN 47670
Permit Number: 051-21852
PIR ID: 051-00021
Reviewer: CarrieAnn Paukowitz/MES
Application Date: October 3, 2005

Pollutant	Worst Case		Cmpd #2		Cmpd #7		Cmpd #8		Cmpd #10		Cmpd #11		Cmpd #14		Cmpd #21		Cmpd #22		Cmpd #23	
	Total Emissions (lbs/hr)	lb/lb rubber	Total in lbs/hr	lb/lb rubber																
Total produced	4000		4000		4000		4000		4000		4000		4000		4000		4000		4000	
Total VOC	19.48	4.04E-04	1.62E+00	2.36E-04	9.44E-01	4.49E-04	1.80E+00	8.66E-04	3.46E+00	2.40E-04	9.60E-01	5.30E-04	2.12E+00	4.87E-03	1.95E+01	4.78E-04	1.91E+00	2.83E-04	1.13E+00	
Total Speciated Organics	10.48	9.19E-04	3.68E+00	1.46E-04	5.84E-01	1.44E-03	5.76E+00	7.31E-04	2.92E+00	1.05E+01	1.05E+01									
Total Organic HAPs	4.36	7.23E-04	2.89E+00	4.85E-05	1.94E-01	1.09E-03	4.36E+00	4.35E-04	1.74E+00	2.07E+00	1.09E-03	4.36E+00	4.35E-04	1.74E+00	2.07E+00	1.09E-03	4.36E+00	4.35E-04	1.74E+00	
Total HAPs	5.36	7.23E-04	2.89E+00	4.85E-05	1.94E-01	1.09E-03	4.36E+00	4.35E-04	1.74E+00	2.07E+00	1.09E-03	4.36E+00	4.35E-04	1.74E+00	2.07E+00	1.09E-03	4.36E+00	4.35E-04	1.74E+00	
1,1,1-Trichloroethane	1.80E-02	2.52E-06	1.01E-02	4.19E-06	1.69E-02	5.22E-07	2.09E-03	2.52E-06	1.01E-02	0.00E+00	0.00E+00	2.05E-06	8.20E-03	2.04E-07	8.18E-04	4.51E-06	1.80E-02	2.04E-06	8.16E-03	
1,1-Dichloroethane	7.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-06	7.84E-03	7.84E-06	0.00E+00	0.00E+00	0.00E+00									
1,3-Butadiene	8.68E-02	1.20E-05	4.90E-02	9.42E-06	3.77E-02	2.20E-06	8.80E-03	4.73E-06	2.97E-02	0.00E+00	0.00E+00	2.17E-05	8.68E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1,4-Dichlorobenzene	3.58E-04	7.63E-08	3.05E-04	5.42E-08	2.17E-04	0.00E+00	0.00E+00	5.53E-08	2.21E-04	0.00E+00	0.00E+00	8.94E-08	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
2-Chloro-1,3-Butadiene	3.63E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-06	3.63E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-06	1.60E-02	0.00E+00	0.00E+00	
2-Chloroacetophenone	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
2-Methylphenol	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
4-Methyl-2-Pentanone (MIBK)	9.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-06	9.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-07	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Acetaldehyde	1.60E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-06	6.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-06	1.60E-02	0.00E+00	0.00E+00	
Acetophenone	1.60E-02	1.39E-06	5.56E-03	8.74E-07	3.50E-03	2.52E-07	1.01E-03	4.36E-07	1.74E-03	0.00E+00	0.00E+00	2.16E-06	8.64E-03	3.43E-07	1.37E-03	4.01E-06	1.60E-02	3.37E-07	1.35E-03	
Acrolein	1.78E-02	0.00E+00	0.00E+00																	
Acrylonitrile	1.21E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-06	5.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05	1.21E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Aniline	1.70E-02	4.16E-07	1.66E-03	0.00E+00	0.00E+00	1.51E-07	6.04E-04	0.00E+00	0.00E+00	2.46E-07	9.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-06	1.70E-02	2.83E-06	1.13E-02	
Benzene	5.44E-03	1.36E-06	5.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-06	4.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Benzidine	1.12E-03	0.00E+00	0.00E+00	2.81E-07	1.12E-03	0.00E+00	0.00E+00													
Biphenyl	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
bis(2-Ethylhexyl)phthalate	4.60E-02	2.48E-06	9.92E-03	1.15E-06	4.60E-02	0.00E+00	0.00E+00	2.83E-06	1.13E-02	1.67E-06	6.68E-03	2.41E-06	9.64E-03	2.57E-06	1.03E-02	2.67E-06	1.07E-02	6.50E-06	2.60E-02	
Cadmium (Cd)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Carbon Disulfide	5.28E+00	5.35E-04	2.14E+00	0.00E+00	0.00E+00	4.39E-04	1.76E+00	1.32E-03	5.28E+00	3.47E-04	1.39E+00	8.67E-04	3.47E+00	8.52E-07	3.41E-03	1.63E-04	6.52E-01	8.64E-06	3.46E-02	
Carbon Tetrachloride	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Carbonyl Sulfide	1.76E+00	3.65E-05	1.46E-01	0.00E+00	0.00E+00	4.39E-04	1.76E+00	1.04E-04	4.15E-01	6.60E-07	2.64E-03	8.80E-05	3.52E-01	6.88E-06	2.75E-02	0.00E+00	0.00E+00	2.65E-05	1.06E-01	
Chloroethane	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Chloroform	1.34E-03	0.00E+00	0.00E+00	3.36E-07	1.34E-03	0.00E+00	0.00E+00													
Chloromethane	3.07E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-07	2.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-02	0.00E+00	0.00E+00	4.00E-03	
Chromium (Cr) Compounds	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Cobalt (Co) Compounds	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Cumene	7.56E-03	5.90E-09	2.36E-04	7.43E-09	2.97E-04	1.89E-06	7.56E-03	3.20E-08	1.29E-04	3.44E-08	1.38E-04	4.55E-08	1.82E-04	5.47E-07	2.19E-03	9.44E-08	3.76E-04	2.24E-08	8.96E-05	
Di-n-butylphthalate	2.23E-02	2.11E-06	8.44E-03	7.80E-07	3.12E-03	1.48E-07	5.84E-04	8.30E-08	3.32E-04	0.00E+00	0.00E+00	4.78E-07	1.91E-03	5.58E-06	2.23E-02	1.35E-07	5.40E-04	3.59E-06	1.44E-02	
Dibenzofuran	2.28E-04	5.04E-08	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-08	1.11E-04	0.00E+00	0.00E+00	5.70E-08	2.28E-04	5.98E-09	2.39E-05	0.00E+00	0.00E+00	4.19E-08	1.68E-04	
Dimethylphthalate	3.95E-04	7.78E-08	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-08	2.65E-04	0.00E+00	0.00E+00	9.87E-08	3.95E-04	0.00E+00	0.00E+00	
Ethylbenzene	8.64E-03	1.34E-06	5.36E-03	0.00E+00	0.00E+00	2.16E-06	8.64E-03	0.00E+00	0.00E+00											
Hexachloroethane	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Hexane	1.25E-01	1.03E-05	4.12E-02	9.22E-06	3.69E-02	2.50E-05	1.00E-01	4.12E-06	1.65E-02	3.12E-05	1.25E-01	6.50E-06	2.60E-02	4.95E-06	1.98E-02	8.53E-06	3.41E-02	4.96E-06	1.98E-02	
Isooctane	1.92E-02	0.00E+00	0.00E+00	4.14E-06	1.66E-02	0.00E+00	0.00E+00													
Isothorone	3.08E-04	0.00E+00	0.00E+00	7.69E-08	3.08E-04	0.00E+00	0.00E+00													
Lead (Pb) Compounds	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
m-Xylene + p-Xylene	3.40E-02	1.91E-06	7.64E-03	3.20E-06	1.29E-02	8.50E-06	3.40E-02	0.00E+00												

VOC and Particulate

From Surface Coating Operations (U-06 and U-09)

Company Name: Mid-States Rubber Products, Inc.
 Address City IN Zip: 1230 South Race St., Princeton, IN 47670
 Permit Number: 051-21852
 Pit ID: 051-00021
 Reviewer: CarrieAnn Paukowits/MES
 Application Date: October 3, 2005

Material	Density (lbs/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/hr)	Maximum (units/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 (tons/yr)	lbs VOC/gal solids	Transfer Efficiency
U-06/S-05																
VM&P Naphtha	6.43	100.00%	0.0%	100.0%	0.0%	0.00%	2.50000	600.000	6.43	6.43	16.08	385.80	70.41	0.00	N/A	50%
Xylene	7.36	100.00%	0.0%	100.0%	0.0%	0.00%	2.50000	600.000	7.36	7.36	18.40	441.60	80.59	0.00	N/A	50%
Chemlok 220x	8.17	74.90%	0.0%	74.9%	0.0%	14.80%	2.50000	600.000	6.12	6.12	15.30	367.16	67.01	11.23	41.35	50%
Chemlok 250x	7.93	74.50%	0.0%	74.5%	0.0%	17.50%	2.50000	600.000	5.91	5.91	14.77	354.47	64.69	11.07	33.76	50%
Chemlok 238	7.67	82.50%	0.0%	82.5%	0.0%	11.70%	2.50000	600.000	6.33	6.33	15.82	379.67	69.29	7.35	54.08	50%
Thixon P6EF	7.83	80.00%	0.0%	80.0%	0.0%	25.00%	2.50000	600.000	6.26	6.26	15.66	375.84	68.59	8.57	25.06	50%
Toluene	7.27	100.00%	0.0%	100.0%	0.0%	0.00%	2.50000	600.000	7.27	7.27	18.18	436.20	79.61	0.00	N/A	50%
U-07/S-06																
VM&P Naphtha	6.43	100.00%	0.0%	100.0%	0.0%	0.00%	2.50000	600.000	6.43	6.43	16.08	385.80	70.41	0.00	N/A	50%
Xylene	7.36	100.00%	0.0%	100.0%	0.0%	0.00%	2.50000	600.000	7.36	7.36	18.40	441.60	80.59	0.00	N/A	50%
Chemlok 220x	8.17	74.90%	0.0%	74.9%	0.0%	14.80%	2.50000	600.000	6.12	6.12	15.30	367.16	67.01	11.23	41.35	50%
Chemlok 250x	7.93	74.50%	0.0%	74.5%	0.0%	17.50%	2.50000	600.000	5.91	5.91	14.77	354.47	64.69	11.07	33.76	50%
Chemlok 238	7.67	82.50%	0.0%	82.5%	0.0%	11.70%	2.50000	600.000	6.33	6.33	15.82	379.67	69.29	7.35	54.08	50%
Thixon P6EF	7.83	80.00%	0.0%	80.0%	0.0%	25.00%	2.50000	600.000	6.26	6.26	15.66	375.84	68.59	8.57	25.06	50%
Toluene	7.27	100.00%	0.0%	100.0%	0.0%	0.00%	2.50000	600.000	7.27	7.27	18.18	436.20	79.61	0.00	N/A	50%

Control Efficiency 90.00%

State Potential Emissions

Add worst case coating to all solvents

Uncontrolled
Controlled

36.8 883 161 22.5
36.8 883 161 22.5

METHODOLOGY

- Pounds of VOC per Gallon Coating less Water = (Density (lbs/gal) * Weight % Organics) / (1-Volume % water)
- Pounds of VOC per Gallon Coating = (Density (lbs/gal) * Weight % Organics)
- Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lbs/gal) * Gal of Material (gal/unit) * Maximum (units/hr)
- Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lbs/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (24 hr/day)
- Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lbs/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 for each station + Sum of all solvents used

Appendix A: Emission Calculations
HAP Emission Calculations
From Surface Coating Operations (U-06 and U-09)

Company Name: Mid-States Rubber Products, Inc.
Address City IN Zip: 1230 South Race St., Princeton, IN 47670
Permit Number: 051-21852
Plt ID: 051-00021
Reviewer: CarrieAnn Paukowitz/MES
Application Date: October 3, 2005

Material	Density (lbs/gal)	Gallons of Material (gal/hr)	Maximum (unit/hr)	Weight % Xylene	Weight % Toluene	Weight % Ethylbenzene	Weight % Lead	Weight % Tetrachloroethylene	Weight % MDI	Weight % MIBK	Weight % Epichlorohydrin	Xylene Emissions (tons/yr)	Toluene Emissions (tons/yr)	Ethylbenzene Emissions (tons/yr)	Lead Emissions (tons/yr)	Tetrachloroethylene Emissions (tons/yr)	MDI Emissions (tons/yr)	MIBK Emissions (tons/yr)	Epichlorohydrin Emissions (tons/yr)	Total HAPs (tons/yr)	
U-06/S-05																					
VM&P Naphtha	6.43	2.50000	600.000	6.00%	5.00%	2.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.22	3.52	1.41	0.00	0.00	0.00	0.00	0.00	0.00	9.15
Xylene	7.36	2.50000	600.000	83.00%	0.00%	17.00%	0.00%	0.00%	0.00%	0.00%	0.00%	66.89	0.00	13.70	0.00	0.00	0.00	0.00	0.00	0.00	80.59
Chemlok 220x	8.17	2.50000	600.000	65.00%	0.00%	15.00%	2.00%	1.00%	0.00%	0.00%	0.00%	58.15	0.00	13.42	1.79	0.89	0.00	0.00	0.00	0.00	74.25
Chemlok 250x	7.93	2.50000	600.000	65.00%	0.00%	15.00%	1.00%	0.00%	1.00%	0.00%	0.00%	56.44	0.00	13.03	0.87	0.00	0.87	0.00	0.00	0.00	71.20
Chemlok 238	7.67	2.50000	600.000	70.00%	0.00%	20.00%	1.00%	0.00%	0.00%	0.00%	0.00%	58.79	0.00	16.80	0.84	0.00	0.00	0.00	0.00	0.00	76.43
Thixon P6EF	7.83	2.50000	600.000	0.00%	21.00%	0.00%	0.00%	0.00%	0.00%	31.00%	0.40%	0.00	18.01	0.00	0.00	0.00	0.00	0.00	26.58	0.34	44.93
Toluene	7.27	2.50000	600.000	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	79.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.61
U-07/S-06																					
VM&P Naphtha	6.43	2.50000	600.000	6.00%	5.00%	2.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.22	3.52	1.41	0.00	0.00	0.00	0.00	0.00	0.00	9.15
Xylene	7.36	2.50000	600.000	83.00%	0.00%	17.00%	0.00%	0.00%	0.00%	0.00%	0.00%	66.89	0.00	13.70	0.00	0.00	0.00	0.00	0.00	0.00	80.59
Chemlok 220x	8.17	2.50000	600.000	65.00%	0.00%	15.00%	2.00%	1.00%	0.00%	0.00%	0.00%	58.15	0.00	13.42	1.79	0.89	0.00	0.00	0.00	0.00	74.25
Chemlok 250x	7.93	2.50000	600.000	65.00%	0.00%	15.00%	1.00%	0.00%	1.00%	0.00%	0.00%	56.44	0.00	13.03	0.87	0.00	0.87	0.00	0.00	0.00	71.20
Chemlok 238	7.67	2.50000	600.000	70.00%	0.00%	20.00%	1.00%	0.00%	0.00%	0.00%	0.00%	58.79	0.00	16.80	0.84	0.00	0.00	0.00	0.00	0.00	76.43
Thixon P6EF	7.83	2.50000	600.000	0.00%	21.00%	0.00%	0.00%	0.00%	0.00%	31.00%	0.40%	0.00	18.01	0.00	0.00	0.00	0.00	0.00	26.58	0.34	44.93
Toluene	7.27	2.50000	600.000	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	79.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.61
Total State Potential Emissions												134	159	33.6	3.58	1.79	1.74	53.2	0.686	161	

METHODOLOGY

HAPS emission rate (tons/yr) = Density (lbs/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs
 Total = Worst Coating for each station + Sum of all solvents used

**Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
Small Industrial Boilers (U-03 and U-04)**

Company Name: Mid-States Rubber Products, Inc.
Address City IN Zip: 1230 South Race St., Princeton, IN 47670
Permit Number: 051-21852
Plt ID: 051-00021
Reviewer: CarrieAnn Paukowits/MES
Application Date: October 3, 2005

U-04

Heat Input Capacity Potential Throughput
MMBtu/hr MMCF/yr

14.7

128.8

Pollutant

Emission Factor in lb/MMCF	PM*	PM10*	SO2	NOx	VOC	CO
	1.9	7.6	0.6	100.0 **see below	5.5	84.0
Potential Emission in tons/yr	0.122	0.489	0.039	6.44	0.354	5.41

*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

U-03

Heat Input Capacity Potential Throughput
MMBtu/hr MMCF/yr

8.4

73.6

Pollutant

Emission Factor in lb/MMCF	PM*	PM10*	SO2	NOx	VOC	CO
	1.90	7.60	0.600	100.0 **see below	5.50	84.0
Potential Emission in tons/yr	0.070	0.280	0.022	3.68	0.202	3.09

*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

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	1.372E-04	7.840E-05	4.900E-03	1.176E-01	2.221E-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	Total HAPs
Potential Emission in tons/yr	3.267E-05	7.187E-05	9.147E-05	2.483E-05	1.372E-04	0.123

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

The five highest organic and metal HAPs emission factors are provided above.

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Appendix A: Emissions Calculations
Commercial/Institutional/Residential Combustors (< 100 mmBtu/hr)
#1 and #2 Fuel Oil
U-03 and U-04 on Backup Fuel

Company Name: Mid-States Rubber Products, Inc.
Address City IN Zip: 1230 South Race St., Princeton, IN 47670
Permit Number: 051-21852
Plt ID: 051-00021
Reviewer: CarrieAnn Paukowits/MES
Application Date: October 3, 2005

U-04

Heat Input Capacity Potential Throughput S = Weight % Sulfur
MMBtu/hr kgals/year 0.5

14.7 919.8

Emission Factor in lb/kgal	Pollutant					
	PM	PM10	SO2	NOx	VOC	CO
	2.0	3.3	71.0 (142.0S)	20.0	0.34	5.0
Potential Emission in tons/yr	0.920	1.52	32.7	9.20	0.156	2.30

U-03

Heat Input Capacity Potential Throughput S = Weight % Sulfur
MMBtu/hr kgals/year 0.5

8.4 525.6

Emission Factor in lb/kgal	Pollutant					
	PM	PM10	SO2	NOx	VOC	CO
	2.0	3.3	71.0 (142.0S)	20.0	0.34	5.0
Potential Emission in tons/yr	0.526	0.867	18.7	5.26	0.089	1.31

HAPs - Metals

Emission Factor in lb/mmBtu	Arsenic	Beryllium	Cadmium	Chromium	Lead
	4.0E-06	3.0E-06	3.0E-06	3.0E-06	9.0E-06
Potential Emission in tons/yr	2.16E-03	1.62E-03	1.62E-03	1.62E-03	4.87E-03

HAPs - Metals (continued)

Emission Factor in lb/mmBtu	Mercury	Manganese	Nickel	Selenium	Total HAPs
	3.0E-06	6.0E-06	3.0E-06	1.5E-05	
Potential Emission in tons/yr	1.62E-03	3.25E-03	1.62E-03	8.11E-03	0.027

Methodology

1 gallon of No. 2 Fuel Oil has a heating value of 140,000 Btu
Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.140 MM Btu
Emission Factors are from AP 42, Tables 1.3-1, 1.3-2, and 1.3-3 (SCC 1-03-005-01/02/03) Supplement E 9/98 (see erata file)
Emissions (tons/yr) = Throughput (kgals/ yr) x Emission Factor (lb/kgal)/2,000 lb/ton

No data was available in AP-42 for organic HAPs.

Potential HAP Emissions (tons/year) = Throughput (mmBtu/hr)*Emission Factor (lb/mmBtu)*8,760 hrs/yr / 2,000 lb/ton

Appendix A: Emissions Calculations
Commercial/Institutional/Residential Combustors (< 100 mmBtu/hr)
#5 and #6 Fuel Oil
U-03 and U-04 on Backup Fuel

Company Name: Mid-States Rubber Products, Inc.
Address City IN Zip: 1230 South Race St., Princeton, IN 47670
Permit Number: 051-21852
Plt ID: 051-00021
Reviewer: CarrieAnn Paukowits/MES
Application Date: October 3, 2005

U-04

Heat Input Capacity Potential Throughput
MMBtu/hr kgals/year S = Weight % Sulfur

14.70 926.4 **0.5**

Emission Factor in lb/kgal	Pollutant					
	PM	PM10	SO2	NOx	VOC	CO
	10	11.5	78.5	55.0	1.13	5.0
	<i>*see below</i>		(157S)			
Potential Emission in tons/yr	4.63	5.33	36.4	25.5	0.523	2.32

**PM emission factor is filterable PM only. Condensable PM emission factor is 1.5 lb/kgal.

U-03

Heat Input Capacity Potential Throughput
MMBtu/hr kgals/year S = Weight % Sulfur

8.40 529.4 **0.5**

Emission Factor in lb/kgal	Pollutant					
	PM	PM10	SO2	NOx	VOC	CO
	10	11.5	78.5	55.0	1.13	5.0
	<i>*see below</i>		(157S)			
Potential Emission in tons/yr	2.65	3.04	20.8	14.6	0.299	1.32

1 gallon of #5 Fuel oil has a heating value of 139,000 Btu

Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.139 MMBtu

Emission Factors are from AP 42 Tables 1.3-1, 1.3-2 and 1.3-3 (SCC 1-03-004-02/03, 1-02-004-02/03, and 1-03-004-04)

(AP-42 Supplement E 9/98)

Emission (tons/yr) = Throughput (kgals/year) x Emission Factor (lb/kgal)/2,000 lb/ton

No data are available for HAPs emissions calculations

**Appendix A: Emissions Calculations
Insignificant Activities**

Company Name: Mid-States Rubber Products, Inc.
Address City IN Zip: 1230 South Race St., Princeton, IN 47670
Permit Number: 051-21852
Plt ID: 051-00021
Reviewer: CarrieAnn Paukowits/MES
Application Date: October 3, 2005

Combustion

Heat Input Capacity
MMBtu/hr

Potential Throughput
MMCF/yr

8.3	72.3 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	0.069	0.275	0.022	3.61	0.199	3.04

*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

HAPs - Organics					
Emission Factor in lb/MMcf	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	7.588E-05	4.336E-05	2.710E-03	6.504E-02	1.229E-04

HAPs - Metals						
Emission Factor in lb/MMcf	Lead	Cadmium	Chromium	Manganese	Nickel	Total HAPs
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	1.807E-05	3.975E-05	5.059E-05	1.373E-05	7.588E-05	0.068

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

Fuel Transfer

Gasoline				
Fugitive Source	VOC Emission Factor (lb/1000gal)	Annual Throughput (gallons)	VOC Emissions (lbs/yr)	VOC Emissions (tons/yr)
Fuel tank	5.0	6600	33.0	0.017

Methodology

VOC emission factors from AP-42, Chapter 5

Plastic Presses

Source	VOC Emission Factor (lbs/ton resin)	Resin Capacity (tons/yr)	VOC Emissions (lbs/yr)	VOC Emissions (tons/yr)
Plastic Presses	1.0	5542.5	5542.5	2.77

Methodology

VOC emission factor provided by the applicant based on an emission factor used by IDEM in past permits.

Emergency Generator

Output Rating
Horsepower (hp)

Potential Throughput
hp-hr/yr

150

75000

Emission Factor in lb/hp-hr	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	0.0022	0.0022	0.0021	0.0310	0.0025	0.0067
Potential Emission in tons/yr	0.083	0.083	0.077	1.16	0.094	0.251

Methodology

Potential Throughput (hp-hr/yr) = hp * 8760 hr/yr
 Use a conversion factor of 7,000 Btu per hp-hr to convert from horsepower to Btu/hr, unless the source gives you a source-specific brake-specific fuel consumption. (AP-42, Footnote a, Table 3.3-1)

Emission Factors are from AP42 (Supplement B 10/96), Table 3.3-1
 Emission (tons/yr) = [Heat input rate (MMBtu/hr) x Emission Factor (lb/MMBtu)] * 8760 hr/yr / (2,000 lb/ton)
 Emission (tons/yr) = [Potential Throughput (hp-hr/yr) x Emission Factor (lb/hp-hr)] / (2,000 lb/ton)

Other Insignificant Activities

	Estimated Emissions (tons/yr)			
	PM	PM10	VOC	HAPs
Welding, soldering, brazing, cutting	7	7		2
Paved and unpaved roads	10	10		
Miscellaneous storage, etc.			1	

Totals

PM	PM10	VOC	SO2	Nox	CO	HAPs
17.2	17.4	4.08	0.099	4.78	3.29	2.07

