

November 12, 2004

Mr. Douglas A. Lozier
Asphalt Materials, Inc.
5400 W. 86th Street,
P.O. Box 68123
Indianapolis, IN 46268-0123

CERTIFIED MAIL 7000 0600 0023 5188 9566

RE: **097-19336-00098**
First Significant Revision
FESOP 097-6035-00098

Dear Mr. Lozier:

Asphalt Materials, Inc. was issued a permit on July 8, 2003. On May 12, 2004, Asphalt Materials, Inc. applied for a permit revision, requesting to change the hourly PM10 emission limit for the Asphalt Blowing Still (ST-047) from 0.068 lb/hr to 0.110 lb/hr.

Later, on September 20, 2004, Asphalt Materials, Inc. requested additional permit revision, including construction and operation of a new Asphalt Blowing Still (ST-059), to be operated alternatively with the existing Blowing Still (ST-047); two (2) new direct fired natural gas only tube heaters (TH-58 and TH-57) of no greater than 3.5 MMBtu/hr each; one (1) new storage tank for petroleum asphalt, 300, 810 gallons (ST-058); two (2) new loading racks with 300 gal/min capacity (LO-12 and LO-13), six (6) petroleum asphalt pumping stations (P15 to P-20), correction of two (2) storage tanks capacity (ST-056 and ST-057).

Pursuant to provisions of 326 IAC 2-8-11.1, a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document and Addendum to the Technical Support Document.

The following Construction Conditions are applicable to the proposed project:

1. General Construction Conditions
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the OES and IDEM, OAQ.
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-30), the Air Pollution Control Law (IC 13-17), and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 (Revocation), the Administrator may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the significant permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of the following revised permit to the front of the original permit.

(Continued on Page 2)

This decision is subject to the Indiana Administrative Orders and Procedures Act – IC 4-21.5-3-5. If you have any questions on this matter, please contact Boris Gorlin at 317-327-2280.

Sincerely,

John B. Chavez
Administrator

Enclosure: Significant FESOP Revision, Technical Support Document (TSD) and TSD Addendum;
Notice of Decision

cc: Files
IDEM, OAQ
Air Compliance

BG

**Indiana Department
of Environmental Management
OFFICE OF AIR QUALITY**



AND

**THE CITY OF INDIANAPOLIS
OFFICE OF ENVIRONMENTAL SERVICES**

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

**Asphalt Materials, Inc.
4902 West 86th Street
Indianapolis, Indiana 46268**

(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.: F097-6035-00098	
Issued by: Original Signed on 7/8/03 by John B. Chavez, Administrator Office of Environmental Services	Issuance Date: July 8, 2003 Expiration Date: July 7, 2008

Significant Permit Revision No.: F097-19336-00098	
Issued by: Original Signed on 11/12/04 by John B. Chavez, Administrator Office of Environmental Services	Pages affected: All pages Issuance Date: November 12, 2004 Expiration Date: July 7, 2008

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ), and Indianapolis Office of Environmental Services (OES). The information describing the source, contained in conditions A.2 and 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 an asphalt emulsion blending and asphalt oxidation plant.

Authorized Individual:	Vice President of Operations
Source Address:	4902 West 86 th Street, Indianapolis, Indiana 46268
Mailing Address:	5400 West 86 th Street, Indianapolis, Indiana 46268
General Source Phone:	317-872-4240
SIC Code:	2951/2952
Source Location Status:	Marion
County Status:	Nonattainment for ozone under the 8-hour standard, attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

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

- (a) Two (2) Asphalt Blowing Stills, identified as ST-047 and ST-059, having a maximum capacity of 12 tons per hour each, with emissions exhausted to a 5,000-gallon, condensate vapor knock-out tank (identified as ST-046 and constructed in 1996). The knock-out tank exhausts to a 7.5 MMBtu per hour, natural gas-fired afterburner (identified as CE-01), used to control emissions of VOC, exhausting at stack CE-02. Blowing Still ST-047 was constructed in 1996; the new Blowing Still ST-059 is planned to be constructed in 2004-2005. The Blowing Stills will be operated alternatively, except during charging and discharging.
- (b) One (1) natural gas-fired boiler, identified as SB-01, with a maximum heat input capacity of 6.7 MMBtu per hour and exhausting at stack SB-01. This boiler was constructed in 1959 and uses fuel oil No.2 as an alternative fuel.
- (c) One (1) natural gas-fired boiler, identified as SB-02, with a maximum heat input capacity of 24.25 MMBtu per hour and exhausting at stack SB-02. This boiler was constructed in March 1994 and uses fuel oil No.2 as an alternative fuel.
- (d) One (1) natural gas-fired asphalt heater, identified as PH-01, with a maximum heat input capacity of 11.6 MMBtu per hour and exhausting at stack PH-01. This heater was constructed in 1960 and uses fuel oil No.2 as an alternative fuel.
- (e) Six (6) oil heaters, consisting of:
 - (1) One (1) 3.5 MMBtu per hour oil heater, identified as HO-01, exhausting through stack HO-01 and fired using natural or fuel oil No.2. This heater was constructed in 1967.

- (2) Two (2) 3.54 MMBtu per hour oil heater, identified as HO-03 and HO-04, exhausting through stacks HO-03 and HO-04, and fired using natural or fuel oil No.2. Heater HO-03 and heater HO-04 were constructed in 1982.
- (3) One (1) 10.0 MMBtu per hour oil heater, identified as HO-05, exhausting through stack HO-05 and fired using natural or fuel oil No.2. This heater was constructed in 1994.
- (4) Two (2) 4.2 MMBtu per hour oil heater, identified as HO-06 and HO-07, exhausting through stack HO-06 and HO-07 and fired using natural gas or fuel oil No.2. Heater HO-06 was constructed in 1975 and heater HO-07 was constructed in 1980.
- (f) Two (2) 2.5 MMBtu per hour tank tube heaters, identified as TH-37 and TH-42, exhausting through stacks TH-37 and TH-42, and fired using natural or fuel oil No.2. These units were constructed in 1987.

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) Fuel oil-fired combustion sources with heat input equal to or less than two million (2,000,000) Btu per hour and firing fuel containing less than five-tenths (0.5) percent sulfur by weight, including:
 - (1) One (1) 2.0 MMBtu per hour oil heater, identified as HO-02, exhausting through stack HO-02 and fired using natural or fuel oil No.2. This heater was constructed in 1959.
 - (2) One (1) 0.5 MMBtu per hour tank tube heater, identified as TH-34, exhausting through stack TH-34 and fired using natural or fuel oil No.2. This heater was constructed in 1995.
 - (3) One (1) 1.12 MMBtu per hour tank tube heater, identified as TH-43, exhausting through stack TH-43 and fired using natural or fuel oil No.2. This heater was constructed in 1980.
- (b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including two (2) new direct fired 3.5 MMBtu per hour natural gas tank tube heaters, identified as TH-56 and TH-57, installed in tanks ST-056 and ST-057. These units will be constructed in 2004-2005.
- (c) Fifty Nine (59) storage tanks with volatile organic compound emissions equal to or less than 3 pounds per hour and 15 pounds per day, and HAP emissions equal to or less than 5 pounds per day and 1 ton per year of a single HAP and 12.5 pounds per day and 2.5 ton per year of any combination of HAPs, including:
 - (1) Four (4) storage tanks (identified as ST-001, ST-002, ST-003, and ST-004), used to store petroleum asphalt, each having a maximum storage capacity of 210,990 gallons. These storage tanks were constructed in 1959.
 - (2) One (1) storage tank (identified as ST-005), used to store tall oil, having a maximum storage capacity of 30,104 gallons. This storage tank was constructed in 2001.

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- (3) One (1) storage tank (identified as ST-006), used to store tall oil, having a maximum storage capacity of 30,104 gallons. This storage tank was constructed in 2001.
- (4) One (1) storage tank (identified as ST-007), used to store petroleum asphalt, having a maximum storage capacity of 215,913 gallons. This storage tank was constructed in 1980.
- (5) One (1) storage tank (identified as ST-008), used to store tall oil, having a maximum storage capacity of 8,300 gallons. This storage tank was constructed in 1990.
- (6) One (1) storage tank (identified as ST-009), used to store asphalt product, having a maximum storage capacity of 64,173 gallons. This storage tank was constructed in 1959.
- (7) One (1) storage tank (identified as ST-010), used to store asphalt emulsion, having a maximum storage capacity of 42,302 gallons. This storage tank was constructed in 1998.
- (8) One (1) storage tank (identified as ST-011), used to store asphalt emulsion, having a maximum storage capacity of 30,104 gallons. This storage tank was constructed in 1998.
- (9) One (1) storage tank (identified as ST-012), used to store asphalt emulsion, having a maximum storage capacity of 42,302 gallons. This storage tank was constructed in 1999.
- (10) One (1) storage tank (identified as ST-013), used to store asphalt emulsion, each having a maximum storage capacity of 64,173 gallons. These storage tanks were constructed in 1959.
- (11) One (1) storage tank (identified as ST-014), used to store asphalt emulsion, having a maximum storage capacity of 42,302 gallons. This storage tank was installed in 1999.
- (12) Four (4) storage tanks (identified as ST-016, ST-017, ST-018, and ST-019), used to store asphalt emulsion, each having a maximum storage capacity of 21,151 gallons. These storage tanks were constructed in 1959.
- (13) One (1) storage tank (identified as ST-015), used to store asphalt emulsion, having a maximum storage capacity of 21,151 gallons. This storage tank was constructed in 1959.
- (14) One (1) storage tank (identified as ST-020), used to store tall oil, having a maximum storage capacity of 20,368 gallons. This storage tank was constructed in 1959.
- (15) One (1) storage tank (identified as ST-021), used to store aqueous solutions of water with 5% oil, having a maximum storage capacity of 30,104 gallons. This storage tank was constructed in 2000.
- (16) One (1) storage tank (identified as ST-022), used to store distillate fuel oil, having a maximum storage capacity of 20,080 gallons. This storage tank was constructed in 1988.

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- (17) One (1) storage tank (identified as ST-023), used to store petroleum asphalt, with a maximum storage capacity of 20,728 gallons. This storage tank was constructed in 1959.
- (18) One (1) storage tank (identified as ST-024), used to store petroleum asphalt, with a maximum storage capacity of 22,995 gallons. This storage tank was constructed in 1959.
- (19) One (1) storage tank (identified as ST-025), used to store petroleum asphalt, having a maximum storage capacity of 424,484 gallons. This storage tank was constructed in 1968.
- (20) One (1) storage tank (identified as ST-028), used to store asphalt product, having a maximum storage capacity of 21,151 gallons. This storage tank was constructed in 1959.
- (21) One (1) storage tank (identified as ST-029), used to store asphalt product, with a maximum storage capacity of 21,151 gallons. This storage tank was constructed in 1959.
- (22) One (1) storage tank (identified as ST-030), used to store sodium hydroxide, having a maximum storage capacity of 15,222 gallons. This storage tank was constructed in 1959.
- (23) One (1) storage tank (identified as ST-031), used to store distillate fuel oil, having a maximum storage capacity of 15,222 gallons. This storage tank was constructed in 1959.
- (24) One (1) storage tank (identified as ST-032), used to store petroleum asphalt, having a maximum storage capacity of 64,173 gallons. This storage tank was constructed in 1959.
- (25) One (1) storage tank (identified as ST-033), used to store petroleum asphalt product, having a maximum storage capacity of 30,104 gallons. This storage tank was constructed in 1959.
- (26) One (1) storage tank (identified as ST-034), used to store petroleum asphalt product, having a maximum storage capacity of 59,720 gallons. This storage tank was constructed in 1998.
- (27) One (1) storage tank (identified as ST-035), used to store petroleum asphalt, having a maximum storage capacity of 210,990 gallons. This storage tank was constructed in 1959.
- (28) One (1) storage tank (identified as ST-036), used to store petroleum asphalt, having a maximum storage capacity of 30,104 gallons. This storage tank was constructed in 1999.
- (29) One (1) storage tank (identified as ST-037), used to store petroleum asphalt product, having a maximum storage capacity of 127,092 gallons. This storage tank was constructed in 1998.
- (30) One (1) storage tank (identified as ST-038), used to store petroleum asphalt, having a maximum storage capacity of 59,715 gallons. This storage tank was constructed in 1980.

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- (31) Two (2) storage tanks (identified as ST-039 and ST-40), used to store cutback asphalt, each having a maximum storage capacity of 30,104 gallons. This storage tank was constructed in 1985.
- (32) One (1) storage tank (identified as ST-041), used to store petroleum asphalt, having a maximum storage capacity of 1,054,951 gallons. This storage tank was constructed in 1973.
- (33) One (1) storage tank (identified as ST-042), used to store asphalt, having a maximum storage capacity of 20,728 gallons. This storage tank was constructed in 1975.
- (34) One (1) storage tank (identified as ST-043), used to store asphalt, having a maximum storage capacity of 23,689 gallons. This storage tank was constructed in 1980.
- (35) One (1) storage tank (identified as ST-044), used to store fuel oil No.6, having a maximum storage capacity of 30,104 gallons. This storage tank was constructed in 1980.
- (36) One (1) storage tank (identified as ST-045), used to store petroleum asphalt, having a maximum storage capacity of 30,104 gallons. This storage tank was constructed in 1980.
- (37) One (1) storage tank (identified as ST-049), used to store anti-strip additive, having a maximum storage capacity of 7,774 gallons. This storage tank was constructed in 1987.
- (38) One (1) storage and processing tank (identified as ST-050), used to store multigrade asphalt, having a maximum storage capacity of 25,000 gallons. This storage tank was constructed in 1988.
- (39) One (1) storage and processing tank (identified as ST-051), used to store multigrade asphalt, having a maximum storage capacity of 25,000 gallons. This storage tank was constructed in 1987.
- (40) One (1) storage and processing overflow tank (identified as ST-052), used to store multigrade asphalt, having a maximum storage capacity of 5,264 gallons. This storage tank was constructed in 1987.
- (41) One (1) storage tank (identified as ST-053), used to store polyphosphoric acid, having a maximum storage capacity of 4,500 gallons. This storage tank was constructed in 2003.
- (42) Two (2) storage tanks (identified as ST-054 and ST-055), used to store asphalt, each having a maximum storage capacity of 30,104 gallons. These storage tanks will be constructed in 2004/2005.
- (43) Two (2) storage tanks (identified as ST-056 and ST-057), used to store asphalt, having a maximum storage capacity of 88,218 gallons each. These storage tanks will be constructed in 2004/2005.
- (44) One (1) new storage tank (identified as ST-058), used to store petroleum asphalt, having maximum capacity of 300,810 gallons, planned to be constructed in 2004-2005.

- (45) Two (2) storage tanks (identified as ST-066 and ST-067), used to store petroleum asphalt, each having a maximum storage capacity of 210,000 gallons. These storage tanks were constructed in 1970.
 - (46) One (1) storage tank (identified as ST-175), used to store petroleum asphalt, having a maximum storage capacity of 7,401,059 gallons. This storage tank was constructed in 1993.
 - (47) One (1) storage tank (identified as ST-803), used to store petroleum asphalt, having a maximum storage capacity of 3,352,388 gallons. This storage tank was constructed in 1970.
 - (48) One (1) storage tank (identified as ST-560), used to store petroleum asphalt, having a maximum storage capacity of 2,350,080 gallons. This storage tank was constructed in 1970.
 - (49) One (1) storage tank (identified as ST-260), used to store petroleum asphalt, having a maximum storage capacity of 1,054,951 gallons. This storage tank was constructed in 1970.
- (d) Processing units with volatile organic compound emissions equal to or less than 3 pounds per hour and 15 pounds per day, and HAP emissions equal to or less than 5 pounds per day and 1 ton per year of a single HAP and 12.5 pounds per day and 2.5 ton per year of any combination of HAPs, including the following units:
- (1) One (1) enclosed Asphalt Emulsion Colloid Shear Mill, constructed in 1960, having a maximum production capacity of 40.0 tons per hour.
 - (2) One (1) enclosed Multigrade Asphalt Colloid Shear Mill, constructed in 1980, having a maximum production capacity of 16.9 tons per hour.
 - (3) Two (2) blending tanks (identified as ST-026 and ST-027), constructed in 1972, each having a maximum storage capacity of 33,000 gallons.
 - (4) One (1) batch processing tank (identified as ST-048), constructed in 1987, having a maximum capacity of 1,170 gallons, and used to mix hot petroleum asphalt with additives before milling.
 - (5) Two (2) Loading Racks with 300 gallons per minute capacity (identified as LO-12 and LO-13) located at the trail siding and in the main plant.
 - (6) Six (6) petroleum asphalt pumping stations (identified as P-15 through P-20).
- (e) Paved and unpaved roads and parking lots with public access.

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

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ), and OES 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) deleted

by 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 Enforceability [326 IAC 2-7-7]

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

- (b) The Indianapolis Air Pollution Control Board (IAPCB) has adopted by reference state rules listed in Attachment A of this permit. The version adopted by reference includes all amendments, additions and repeals filed with the Secretary of State through May 10, 2003 and published in the Indiana Register on June 1, 2003, unless otherwise indicated in the adoption by reference. For the purposes of this permit, all state rules adopted by reference by the IAPCB are enforceable by OES using local enforcement procedures. Unless otherwise stated, all terms and conditions in this permit that are local requirements, including any provisions designed to limit the source's potential to emit, are enforceable by OES.

B.5 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.6 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.7 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.8 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, and OES, within a reasonable time, any information that IDEM, OAQ, and OES, 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, and OES, copies of records required to be kept by this permit or, for information claimed to be confidential, the Permittee may furnish such records directly to the U. S. EPA along with a claim of confidentiality.

- (b) For information furnished by the Permittee to IDEM, OAQ, and OES 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.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ, and OES 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.10 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.
- (c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.11 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 April 15 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
2700 South Belmont Avenue
Indianapolis, Indiana 46221

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and OES, 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, and OES 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.12 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 prepare and maintain Preventive Maintenance Plans (PMPs) within thirty (30) after issuance of this permit, 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.

If due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
2700 South Belmont Avenue
Indianapolis, Indiana 46221

The PMP extension notification does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.
- (c) A copy of the PMPs shall be submitted to IDEM, OAQ, and OES upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ, and OES. IDEM, OAQ, and OES 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 PMP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (d) 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.13 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.

- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:

- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ and OES, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

IDEM, OAQ:

Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section) or,

Telephone No.: 317-233-5674 (ask for Compliance Section)

Facsimile No.: 317-233-5967

OES:

Telephone No.: 317-327-2237 (ask for Data Compliance)

Facsimile No.: 317-327-2274

- (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, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
2700 South Belmont Avenue
Indianapolis, Indiana 46221

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) IDEM, OAQ, and OES, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ, and OES, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.14 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, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
2700 South Belmont Avenue
Indianapolis, Indiana 46221

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 independently 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.15 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 or OES determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ, or OES, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, or OES, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, or OES, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.16 Permit Renewal [326 IAC 2-8-3(h)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and OES, 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, P.O. Box 6015
Indianapolis, IN 46206-6015

and

City of Indianapolis
Office of Environmental Services
2700 South Belmont Avenue
Indianapolis, Indiana 46221

- (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, and OES on or before the date it is due.
- (2) If IDEM, OAQ, and OES 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, and OES takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, and OES any additional information identified as needed to process the application.

B.17 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, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
2700 South Belmont Avenue
Indianapolis, Indiana 46221

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.

B.18 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 emissions allowable under 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, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
2700 South Belmont Avenue
Indianapolis, Indiana 46221

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

First Significant Permit Revision

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 which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, and OES, 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 increases and decreases in emissions in 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, OES or U.S. EPA is required.

B.19 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.20 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2] [IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, and OES, 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.21 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
2700 South Belmont Avenue
Indianapolis, Indiana 46221

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.22 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 317-233-4320 (ask for OAQ, I/M & Billing Section), to determine the appropriate permit fee.

B.23 Advanced Source Modification Approval [326 IAC 2-8-4(11)] [326 IAC 2-1.1-9]

- (a) The requirements to obtain a permit revision under 326 IAC 2-8-11.1 are satisfied by this permit for the proposed emission units, control equipment or insignificant activities in Section A.3.
- (b) Pursuant to 326 IAC 2-1.1-9 any permit authorizing construction may be revoked if construction of the emission unit has not commenced within eighteen (18) months from the date of issuance of the permit, or if during the construction work is suspended for a continuous period of one (1) year or more.

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

Notwithstanding the conditions of this permit that state specific methods that may be used to demonstrate compliance with, or a violation of, applicable requirements, any person (including the Permittee) may also use other credible evidence to demonstrate compliance with, or a violation of, any term or condition of this permit.

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 [40 CFR 52 Subpart P][326 IAC 6-3-2]

- (a) Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.
- (b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Opacity [326 IAC 5-1]

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

- (a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

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

C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2(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.5 Fugitive Dust Emissions [326 IAC 6-4]

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

C.6 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on June 3, 1996. The plan is included as Attachment A.

C.7 Operation of Equipment [326 IAC 2-8-5(a)(4)]

Except as otherwise provided by statute, rule or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission unit vented to the control equipment is in operation.

C.8 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.9 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

The Permittee shall comply with the applicable requirements of 326 IAC 14-10, 326 IAC 18, and 40 CFR 61.140.

- (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, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
2700 South Belmont Avenue
Indianapolis, Indiana 46221

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 14-10-4 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.10 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, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
2700 South Belmont Avenue
Indianapolis, Indiana 46221

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, and OES 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, and OES not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the source submits to IDEM, OAQ, and OES, 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.11 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.12 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within thirty (30) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within thirty (30) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
2700 South Belmont Avenue
Indianapolis, Indiana 46221

in writing, prior to the end of the initial thirty (30) day compliance schedule with full justification of the reasons for inability to meet this date.

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).

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

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

C.14 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]

- (a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.

- (b) Whenever a condition in this permit requires the measurement of a temperature, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.
- (c) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one pH point.
- (d) The Permittee may request the IDEM, OAQ, and OES to approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.

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

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

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

C.16 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-8-4] [326 IAC 2-8-5]

- (a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. If a Permittee is required to have an Operation, Maintenance and Monitoring (OMM) Plan under 40 CFR 60/63, such plans shall be deemed to satisfy the requirements for a CRP for those compliance monitoring conditions. A CRP shall be submitted to IDEM, OAQ and OES, upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and is comprised of:
 - (1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.
 - (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan to include such response steps taken.

The OMM Plan shall be submitted within the time frames specified by the applicable 40 CFR60/63 requirement.

- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
 - (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan; or
 - (2) If none of the reasonable response steps listed in the Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan is applicable or

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responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.

- (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, the IDEM, OAQ, and OES shall be promptly notified of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.
 - (4) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (c) The Permittee is not required to take any further response steps for any of the following reasons:
- (1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.
 - (3) An automatic measurement was taken when the process was not operating.
 - (4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.
- (d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.
- (e) The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- (f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

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

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, and OES 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, and OES that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ, and OES may extend the retesting deadline.

- (c) IDEM, OAQ, and OES reserve 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.18 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 OES Administrator makes a request for records to the Permittee, the Permittee shall furnish the records to the OES Administrator within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.19 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

- (a) The source 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 IAC 2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:
- Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015
- and
- City of Indianapolis
Office of Environmental Services
2700 South Belmont Avenue
Indianapolis, Indiana 46221
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and OES, 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.20 Compliance with 40 CFR 82 and 326 IAC 22-1

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

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

SECTION D.1

FACILITY OPERATION CONDITIONS

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

- (a) Two (2) Asphalt Blowing Stills, identified as ST-047 and ST-059, having a maximum capacity of 12 tons per hour each, with emissions exhausted to a 5,000-gallon, condensate vapor knock-out tank (identified as ST-046 and constructed in 1996). The knock-out tank exhausts to a 7.5 MMBtu per hour, natural gas-fired afterburner (identified as CE-01), used to control emissions of VOC, exhausting at stack CE-02. Blowing Still ST-047 was constructed in 1996; the new Blowing Still ST-059 is planned to be constructed in 2004/2005. The Blowing Stills will be operated alternatively, except during charging and discharging.

(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 FESOP Limitations [326 IAC 2-8][326 IAC 2-2]

Pursuant to 326 IAC 2-8, the PM₁₀ and VOC emissions from the Asphalt Blowing Stills (ST-047 and ST-059) shall be limited as follows:

- (a) The PM₁₀ emissions from the Asphalt Blowing Stills (ST-047 and ST-059) shall not exceed 0.110 pounds of PM₁₀ per hour. Amount of the asphalt processed in the Asphalt Blowing Stills shall not exceed 65,217 tons per twelve (12) consecutive month period, rolled monthly. Compliance shall be determined at the end of each month. The combination of these limits is equivalent to no more than 0.3 tons of PM₁₀ emission per twelve (12) consecutive month period.
- (b) The VOC emissions from the Asphalt Blowing Stills shall not exceed 0.74 pounds of VOC per ton of asphalt processed. This limit is equivalent to 0.39 tons per twelve (12) consecutive month period at the maximum capacity of each Asphalt Blowing Still of 12 tons per hour.

These conditions, combined with the potential to emit from the boilers, heaters and storage tanks, result in PM₁₀ and VOC emissions from the entire source that are less than or equal to 4.9 tons per twelve (12) consecutive month period and 40.7 tons per twelve (12) consecutive month period, respectively. Compliance with conditions (a) and (b) makes 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (PSD) not applicable.

D.1.2 Particulate Matter (PM) [326 IAC 6-1-12] [326 IAC 2-2]

- (a) Pursuant to 326 IAC 6-1-12 (Marion County), the particulate matter emissions from the Asphalt Blowing Stills (ST-047 and ST-059) shall be limited to 0.004 grains per dry standard cubic foot (0.3 tons per year) and 0.0092 pounds per ton of asphalt processed in the stills. Compliance with these limits makes 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.
- (b) PM emissions from the Asphalt Blowing Stills (ST-047 and ST-059) shall at all times be controlled by the knock-out tank (ST-046) and afterburner (CE-01).

D.1.3 General Provision Relating to NSPS [326 IAC 12-1] [40 CFR 60, Subpart A]

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

D.1.4 NSPS Requirements [326 IAC 12-1] [40 CFR 60, Subpart UU]

- (a) Pursuant to 40 CFR 60.472(b), particulate matter emissions from the Asphalt Blowing Stills (ST-047 and ST-059) shall not exceed the following limits:
- (1) 1.3 pounds per ton of asphalt charged when a catalyst is added to the Still.
 - (2) 1.2 pounds per ton of asphalt charged during blowing without a catalyst.
- (b) Pursuant to 40 CFR 60.472(b)(5), the opacity of the exhaust gases from the Asphalt Blowing Stills (ST-047 and ST-059) shall not exceed zero percent.

D.1.5 BACT for Volatile Organic Compounds (VOC) [326 IAC 8-1-6]

Pursuant to 326 IAC 8-1-6 (New Facilities; General Reduction Requirements), the VOC emissions from the Asphalt Blowing Stills (ST-047 and ST-059) shall be controlled by the knock-out tank (CD-02) and afterburner (CE-01). The knock-out tank and afterburner shall be in operation and control emissions from the Asphalt Blowing Stills (ST-047 and ST-059) at all times when any of the Asphalt Blowing Stills (ST-047 and ST-059) is in operation.

D.1.6 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 and its control devices.

Compliance Determination Requirements

D.1.7 Testing Requirements [40 CFR 60, Subpart UU][326 IAC 12]

Pursuant to 40 CFR 60.474(b) and 40 CFR 60.8, the Permittee shall conduct a performance test of the afterburner used to control emissions from the Asphalt Blowing Stills (ST-047 and ST-059) within one hundred and eighty (180) days after issuance of this permit, using test methods in 40 CFR 60, Appendix A or other methods or other methods approved by the Administrator. The Permittee shall determine compliance with the particulate matter standards as follows:

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

$$E = (CQ) / (P \times 7000 \text{ gr/lb})$$

Where:

- E = Emission rate of particulate matter (lb/ton)
- C = Concentration of particulate matter (gr/dscf)
- Q = Volumetric flow rate of effluent gas (dscf/hr)
- P = Asphalt charging rate (ton/hr)

- (b) Method 5A shall be used to determine the particulate matter concentration (C) and volumetric flow rate (Q) of the effluent gas. The sampling time and sample volume for each run shall be at least 90 minutes or the duration of the coating blow or noncoating blow, whichever is greater, and 79.4 dscf.

- (c) The asphalt charging rate (P) shall be computed for each run using the following equation:

$$P = (VD) / (T \times 2000 \text{ lb/ton})$$

Where:

- P = Asphalt charging rate (ton/hr)
- V = Volume of asphalt charged (ft³)

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D = Density of asphalt (lb/ft³)
T = Duration of test run (hrs)

The volume of asphalt charged (V) shall be measured by any means accurate to within ten (10) percent. The density (D) of the asphalt shall be computed using the following equation:

$$D = K_1 - (K_2 T_i),$$

Where:

D = Density of the asphalt (lb/ft³)
K₁ = 64.70 lb/ft³
K₂ = 0.0694 lb/(ft³ °F)
T_i = Temperature at the start of the blow (°F)

- (d) Method 9 and the procedures in 40 CFR 60.11 shall be used to determine opacity.
- (e) The Permittee shall use a monitoring device to monitor and record continuously the temperature during the testing and shall report the results to the Administrator with the performance test results.
- (f) If at a later date, the Permittee believes the emissions limits are being met even though the operating temperature of the afterburner is lower than that established during the performance test, then the Permittee may submit a written request to the Administrator to repeat the performance test.

D.1.8 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

Within 180 days after issuance of this permit, in order to demonstrate compliance with Condition D.1.1, the Permittee shall perform PM₁₀ and VOC testing using methods approved by the Commissioner. PM₁₀ includes filterable and condensible PM-10. Testing shall be conducted in accordance with Section C - Performance Testing.

D.1.9 Particulate Matter (PM and PM₁₀) and Volatile Organic Compounds (VOC)

- (a) In order to comply with conditions D.1.1, D.1.2, D.1.4, and D.1.5, the afterburner (CE-01) for PM, PM₁₀, and VOC control shall be in operation at all times when any of the Asphalt Blowing Stills (ST-047 and ST-059) is in operation.
- (b) In order to comply with Condition D.1.5, the knock-out tank (CD-02) shall be in operation at all times when any of the Asphalt Blowing Stills (ST-047 and ST-059) is in operation.

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

D.1.10 Afterburner [40 CFR 60, Subpart UU] [326 IAC 12]

- (a) The afterburner (CE-01) shall operate at all times that the process is in operation. When operating, the afterburner shall maintain a minimum operating temperature of 1300 °F during operation until a temperature has been determined from the most recent compliant stack test, as approved by IDEM.
- (b) Pursuant to 40 CFR 60.473(b), a continuous monitoring system shall be calibrated, maintained, and operated on the afterburner for measuring operating temperature in the combustion zone. The output of this system shall be recorded, and that temperature shall be greater than or equal to the temperature used to demonstrate compliance during the most recent compliance stack test. The monitoring instrument shall have an accuracy of ±10 °C (±18 °F).

D.1.11 Visible Emissions Notations

- (a) Visible emission notations of the Asphalt Blowing Stills (ST-047 and ST-059) stack exhaust shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

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

D.1.12 Record Keeping Requirements

- (a) To document compliance with Condition D.1.1 (a), the Permittee shall maintain records of the amount of asphalt processed in the Asphalt Blowing Stills (ST-047 and ST-059).
- (b) To document compliance with Condition D.1.10, the Permittee shall maintain records of the operating temperature of the afterburner.
- (b) To document compliance with Condition D.1.11, the Permittee shall maintain records of visible emission notations of the Asphalt Blowing Stills (ST-047 and ST-059) stack exhaust once per shift.
- (c) To document compliance with Condition D.1.6, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements of this permit.

D.1.13 Reporting Requirements

- (a) Pursuant to 40 CFR 60.474, the Permittee shall, upon completion of the performance test required in Condition D.1.8, report the results of the stack tests and the afterburner temperature records to IDEM, OAQ and OES.
- (b) A quarterly summary of the information to document compliance with Condition D.1.1(a) shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.2

FACILITY OPERATION CONDITIONS

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

- (b) One (1) natural gas-fired boiler, identified as SB-01, with a maximum heat input capacity of 6.7 MMBtu per hour and exhausting at stack SB-01. This boiler was constructed in 1959 and uses fuel oil No.2 as an alternative fuel.
- (c) One (1) natural gas-fired boiler, identified as SB-02, with a maximum heat input capacity of 24.25 MMBtu per hour and exhausting at stack SB-02. This boiler was constructed in March 1994 and uses fuel oil No.2 as an alternative fuel.

(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 Sulfur Dioxide (SO₂) Emission Limit [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4 (FESOP), the amount of No. 2 fuel oil burned in the boilers (SB-01 and SB-02), the 11.6 MMBtu/hour asphalt heater (PH-01) (Section D.3), and the heaters (Section D.4) shall not exceed 2,802,817 gallons of No. 2 fuel oil per twelve (12) consecutive month period with compliance determined at the end of each month. The sulfur content of the fuel oil shall not exceed 0.5% by weight. These limitations are equivalent to 99.5 tons of sulfur dioxide per twelve (12) consecutive month period and limits the sulfur dioxide emissions from the entire source to less than one hundred (100) tons per year. Therefore, the provisions of 326 IAC 2-7 are not applicable.

D.2.2 Sulfur Dioxide (SO₂) Emission Limit for Boiler SB-02 [326 IAC 2-2]

Pursuant to CP 930098-01, issued March 12, 1993 and revised by this permit, boiler SB-02 shall be limited to the following:

- (a) The number of gallons of fuel oil No.2 burned in boiler SB-02 shall not exceed 1,125,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The emissions of sulfur dioxide shall not exceed 0.5 lbs per MMBtu heat input.

These limits are equivalent to 39.9 tons of SO₂ per twelve (12) consecutive month period, which is less than the 40 tons per twelve (12) consecutive month period significance level for PSD applicability. Therefore, compliance with these limitations makes 326 IAC 2-2 not applicable to boiler SB-02.

D.2.3 Particulate Matter Limitation (PM) [326 IAC 6-1-2(b)]

Pursuant to 326 IAC 6-1-2(b)(4) and (5) (Nonattainment Area Limitations), the particulate matter emissions from boilers SB-01 and SB-02 shall be limited to 0.15 pounds per million Btu when burning fuel oil, and 0.01 grains per dry standard cubic foot when burning natural gas.

D.2.4 General Provision Relating to NSPS [326 IAC 12-1] [40 CFR 60, Subpart A]

The provisions of 40 CFR 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to boiler SB-02 except when otherwise specified in 40 CFR 60, Subpart Dc.

D.2.5 Sulfur Dioxide (SO₂) [326 IAC 7-1.1-1] [326 IAC 12-1][40 CFR 60, Subpart Dc]

Pursuant to 326 IAC 7-1.1 (SO₂ Emissions Limitations) and 40 CFR 60, Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units):

- (a) The SO₂ emissions from the oil-fueled boiler SB-02 shall not exceed five tenths (0.5) pounds per million Btu heat input; or
- (b) The sulfur content of the fuel oil shall not exceed five-tenths percent (0.5%) by weight. [40 CFR 60.42c(d)]

Pursuant to 40 CFR 60 Subpart Dc, the fuel oil sulfur content limit applies at all times, including periods of startup, shutdown, and malfunction.

D.2.6 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 boiler SB-02

Compliance Determination Requirements

D.2.7 Sulfur Dioxide Emissions and Sulfur Content [40 CFR 60, Subpart Dc]

Pursuant to 40 CFR 60, Subpart Dc, the Permittee shall demonstrate compliance utilizing one of the following options:

- (a) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification; or
- (b) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
 - (1) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
 - (2) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

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

D.2.8 Visible Emissions Notations

- (a) Visible emission notations of boiler SB-02 stack exhaust shall be performed once per shift during normal daylight operations when combusting fuel 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) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan -

Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

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

D.2.9 Record Keeping Requirements

(a) To document compliance with Conditions D.2.1, D.2.2, D.2.4, and D.2.5 the Permittee shall maintain records in accordance with (1) through (6) below. Note that pursuant to 40 CFR 60 Subpart Dc, the fuel oil sulfur limit applies at all times including periods of startup, shutdown, and malfunction.

- (1) Calendar dates covered in the compliance determination period;
- (2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;
- (3) 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:

- (4) Fuel supplier certifications.
- (5) The name of the fuel supplier; and
- (6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

- (b) To document compliance with Condition D.2.8, the Permittee shall maintain records of visible emission notations of boiler SB-02 stack exhaust once per shift when combusting No. 2 fuel oil.
- (c) To document compliance with Condition D.2.6, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.10 Reporting Requirements

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

individual" as defined by 326 IAC 2-1.1-1(1). This is the same report as required in Condition D.3.5 and D.4.3.

- (c) A semi-annual natural gas fired boiler certification, shall be submitted to the addresses listed in Section C - General Reporting Requirements, using the reporting forms located at the end of this permit within thirty (30) days after the end of the six month period being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.3

FACILITY OPERATION CONDITIONS

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

- (d) One (1) natural gas-fired asphalt heater, identified as PH-01, with a maximum heat input capacity of 11.6 MMBtu per hour and exhausting at stack PH-01. This heater was constructed in 1960 and uses fuel oil No.2 as an alternative fuel.

(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 Sulfur Dioxide (SO₂) Emission Limit [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4 (FESOP), the amount of No. 2 fuel oil burned in the boilers (SB-01 and SB-02) (Section D.2), the 11.6 MMBtu/hour asphalt heater (PH-01), and the heaters (Section D.4) shall not exceed 2,802,817 gallons of No. 2 fuel oil per twelve (12) consecutive month period with compliance determined at the end of each month. The sulfur content of the fuel oil shall not exceed 0.5% by weight. These limitations are equivalent to 99.5 tons of sulfur dioxide per twelve (12) consecutive month period and limits the sulfur dioxide emissions from the entire source to less than one hundred (100) tons per year. Therefore, the provisions of 326 IAC 2-7 are not applicable.

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

Pursuant to 326 IAC 7-1.1 (SO₂ Emissions Limitations), the SO₂ emissions from the heater (PH-01) shall not exceed five-tenths (0.5) pound per million Btu heat input while combusting fuel oil. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a thirty (30) day calendar month average.

D.3.3 Particulate Matter Limitation [326 IAC 6-1-2(a)]

Pursuant to 326 IAC 6-1-2(a) (Nonattainment Area Limitations), the particulate matter emissions from the 11.6 MMBtu per hour heater (identified as PH-01) shall be limited to 0.03 grains per dry standard cubic foot, when firing on fuel oil.

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 Btu heat input 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.

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- (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.
- (d) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the thirteen (13) MMBtu per hour heater, 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.

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

D.3.5 Record Keeping Requirements

- (a) To document compliance with Condition D.3.1 and D.3.2, the Permittee shall maintain records in accordance with (1) through (6) below.
- (1) Calendar dates covered in the compliance determination period;
 - (2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;
 - (3) 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.

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

- (4) Fuel supplier certifications.
- (5) The name of the fuel supplier; and
- (6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

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

D.3.6 Reporting Requirements

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

SECTION D.4

FACILITY OPERATION CONDITIONS

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

- (e) Six (6) oil heaters, consisting of:
 - (1) One (1) 3.5 MMBtu per hour oil heater, identified as HO-01, exhausting through stack HO-01 and fired using natural or fuel oil No.2. This heater was constructed in 1967.
 - (2) Two (2) 3.54 MMBtu per hour oil heater, identified as HO-03 and HO-04, exhausting through stacks HO-03 and HO-04, and fired using natural or fuel oil No.2. Heater HO-03 and heater HO-04 were constructed in 1982.
 - (3) One (1) 10.0 MMBtu per hour oil heater, identified as HO-05, exhausting through stack HO-05 and fired using natural or fuel oil No.2. This heater was constructed in 1994.
 - (4) Two (2) 4.2 MMBtu per hour oil heater, identified as HO-06 and HO-07, exhausting through stack HO-06 and HO-07 and fired using natural or fuel oil No.2. Heater HO-06 was constructed in 1975 and heater HO-07 was constructed in 1980.
- (f) Two (2) 2.5 MMBtu per hour tank tube heaters, identified as TH-37 and TH-42, exhausting through stacks TH-37 and TH-42, and fired using natural or fuel oil No.2. These units were constructed in 1987.

Insignificant Activities:

- (a) Fuel oil-fired combustion sources with heat input equal to or less than two million (2,000,000) Btu per hour and firing fuel containing less than five-tenths (0.5) percent sulfur by weight, including:
 - (1) One (1) 2.0 MMBtu per hour oil heater, identified as HO-02, exhausting through stack HO-02 and fired using natural or fuel oil No.2. This heater was constructed in 1959.
 - (2) One (1) 0.5 MMBtu per hour tank tube heater, identified as TH-34, exhausting through stack TH-34 and fired using natural or fuel oil No.2. This heater was constructed in 1995.
 - (3) One (1) 1.12 MMBtu per hour tank tube heater, identified as TH-43, exhausting through stack TH-43 and fired using natural or fuel oil No.2. This heater was constructed in 1980.
- (b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including two (2) new direct fired 3.5 MMBtu per hour natural gas tank tube heaters, identified as TH-56 and TH-57, installed in tanks ST-056 and ST-057. These units will be constructed in 2004/2005.

(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 Sulfur Dioxide (SO₂) Emission Limit [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4 (FESOP), the amount of No. 2 fuel oil burned in the boilers (SB-01 and SB-02) (Section D.2), the 11.6 MMBtu/hour asphalt heater (PH-01) (Section D.3), and the heaters described in this section shall not exceed 2,802,817 gallons of No. 2 fuel oil per twelve (12) consecutive month period with compliance determined at the end of each month. The sulfur

content of the fuel oil shall not exceed 0.5% by weight. These limitations are equivalent to 99.5 tons of sulfur dioxide per twelve (12) consecutive month period and limits the sulfur dioxide emissions from the entire source to less than one hundred (100) tons per year. Therefore, the provisions of 326 IAC 2-7 are not applicable.

D.4.2 Particulate Matter Limitations [326 IAC 6-1-2(a)]

Pursuant to 326 IAC 6-1-2(a) (Nonattainment Area Limitations), the particulate matter emissions from the heaters shall be limited to 0.03 grains per dry standard cubic foot, when firing on fuel oil.

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

D.4.3 Record Keeping Requirements

(a) To document compliance with Condition D.4.1, the Permittee shall maintain records in accordance with (1) through (6) below.

- (1) Calendar dates covered in the compliance determination period;
- (2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;
- (3) 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.

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

- (4) Fuel supplier certifications.
- (5) The name of the fuel supplier; and
- (6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

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

D.4.4 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.4.1 shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.5 FACILITY OPERATION CONDITIONS

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

- (c) Fifty Nine (59) storage tanks with volatile organic compound emissions equal to or less than 3 pounds per hour and 15 pounds per day, and HAP emissions equal to or less than 5 pounds per day and 1 ton per year of a single HAP and 12.5 pounds per day and 2.5 ton per year of any combination of HAPs, including:
- (1) Four (4) storage tanks (identified as ST-001, ST-002, ST-003, and ST-004), used to store petroleum asphalt, each having a maximum storage capacity of 210,990 gallons. These storage tanks were constructed in 1959.
 - (2) One (1) storage tank (identified as ST-005), used to store tall oil, having a maximum storage capacity of 30,104 gallons. This storage tank was constructed in 2001.
 - (3) One (1) storage tank (identified as ST-006), used to store tall oil, having a maximum storage capacity of 30,104 gallons. This storage tank was constructed in 2001.
 - (4) One (1) storage tank (identified as ST-007), used to store petroleum asphalt, having a maximum storage capacity of 215,913 gallons. This storage tank was constructed in 1980.
 - (5) One (1) storage tank (identified as ST-008), used to store tall oil, having a maximum storage capacity of 8,300 gallons. This storage tank was constructed in 1990.
 - (6) One (1) storage tank (identified as ST-009), used to store asphalt product, having a maximum storage capacity of 64,173 gallons. This storage tank was constructed in 1959.
 - (7) One (1) storage tank (identified as ST-010), used to store asphalt emulsion, having a maximum storage capacity of 42,302 gallons. This storage tank was constructed in 1998.
 - (8) One (1) storage tank (identified as ST-011), used to store asphalt emulsion, having a maximum storage capacity of 30,104 gallons. This storage tank was constructed in 1998.
 - (9) One (1) storage tank (identified as ST-012), used to store asphalt emulsion, having a maximum storage capacity of 42,302 gallons. This storage tank was constructed in 1999.
 - (10) One (1) storage tank (identified as ST-013), used to store asphalt emulsion, each having a maximum storage capacity of 64,173 gallons. These storage tanks were constructed in 1959.
 - (11) One (1) storage tank (identified as ST-014), used to store asphalt emulsion, having a maximum storage capacity of 42,302 gallons. This storage tank was installed in 1999.
 - (12) Four (4) storage tanks (identified as ST-016, ST-017, ST-018, and ST-019), used to store asphalt emulsion, each having a maximum storage capacity of 21,151 gallons. These storage tanks were constructed in 1959.
 - (13) One (1) storage tank (identified as ST-015), used to store asphalt emulsion, having a maximum storage capacity of 21,151 gallons. This storage tank was constructed in 1959.

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

- (14) One (1) storage tank (identified as ST-020), used to store tall oil, having a maximum storage capacity of 20,368 gallons. This storage tank was constructed in 1959.
- (15) One (1) storage tank (identified as ST-021), used to store aqueous solutions of water with 5% oil, having a maximum storage capacity of 30,104 gallons. This storage tank was constructed in 2000.
- (16) One (1) storage tank (identified as ST-022), used to store distillate fuel oil, having a maximum storage capacity of 20,080 gallons. This storage tank was constructed in 1988.
- (17) One (1) storage tank (identified as ST-023), used to store petroleum asphalt, with a maximum storage capacity of 20,728 gallons. This storage tank was constructed in 1959.
- (18) One (1) storage tank (identified as ST-024), used to store petroleum asphalt, with a maximum storage capacity of 22,995 gallons. This storage tank was constructed in 1959.
- (19) One (1) storage tank (identified as ST-025), used to store petroleum asphalt, having a maximum storage capacity of 424,484 gallons. This storage tank was constructed in 1968.
- (20) One (1) storage tank (identified as ST-028), used to store asphalt product, having a maximum storage capacity of 21,151 gallons. This storage tank was constructed in 1959.
- (21) One (1) storage tank (identified as ST-029), used to store asphalt product, with a maximum storage capacity of 21,151 gallons. This storage tank was constructed in 1959.
- (22) One (1) storage tank (identified as ST-030), used to store sodium hydroxide, having a maximum storage capacity of 15,222 gallons. This storage tank was constructed in 1959.
- (23) One (1) storage tank (identified as ST-031), used to store distillate fuel oil, having a maximum storage capacity of 15,222 gallons. This storage tank was constructed in 1959.
- (24) One (1) storage tank (identified as ST-032), used to store petroleum asphalt, having a maximum storage capacity of 64,173 gallons. This storage tank was constructed in 1959.
- (25) One (1) storage tank (identified as ST-033), used to store petroleum asphalt product, having a maximum storage capacity of 30,104 gallons. This storage tank was constructed in 1959.
- (26) One (1) storage tank (identified as ST-034), used to store petroleum asphalt product, having a maximum storage capacity of 59,720 gallons. This storage tank was constructed in 1998.
- (27) One (1) storage tank (identified as ST-035), used to store petroleum asphalt, having a maximum storage capacity of 210,990 gallons. This storage tank was constructed in 1959.

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

- (28) One (1) storage tank (identified as ST-037), used to store petroleum asphalt product, having a maximum storage capacity of 127,092 gallons. This storage tank was constructed in 1998.
- (29) One (1) storage tank (identified as ST-036), used to store petroleum asphalt, having a maximum storage capacity of 30,104 gallons. This storage tank was constructed in 1999.
- (30) One (1) storage tank (identified as ST-038), used to store petroleum asphalt, having a maximum storage capacity of 59,715 gallons. This storage tank was constructed in 1980.
- (31) Two (2) storage tanks (identified as ST-039 and ST-40), used to store cutback asphalt, each having a maximum storage capacity of 30,104 gallons. This storage tank was constructed in 1985.
- (32) One (1) storage tank (identified as ST-041), used to store petroleum asphalt, having a maximum storage capacity of 1,054,951 gallons. This storage tank was constructed in 1973.
- (33) One (1) storage tank (identified as ST-042), used to store asphalt, having a maximum storage capacity of 20,728 gallons. This storage tank was constructed in 1975.
- (34) One (1) storage tank (identified as ST-043), used to store asphalt, having a maximum storage capacity of 23,689 gallons. This storage tank was constructed in 1980.
- (35) One (1) storage tank (identified as ST-044), used to store fuel oil No.6, having a maximum storage capacity of 30,104 gallons. This storage tank was constructed in 1980.
- (36) One (1) storage tank (identified as ST-045), used to store petroleum asphalt, having a maximum storage capacity of 30,104 gallons. This storage tank was constructed in 1980.
- (37) One (1) storage tank (identified as ST-049), used to store anti-strip additive, having a maximum storage capacity of 7,774 gallons. This storage tank was constructed in 1987.
- (38) One (1) storage and processing tank (identified as ST-050), used to store multigrade asphalt, having a maximum storage capacity of 25,000 gallons. This storage tank was constructed in 1988.
- (39) One (1) storage and processing tank (identified as ST-051), used to store multigrade asphalt, having a maximum storage capacity of 25,000 gallons. This storage tank was constructed in 1987.
- (40) One (1) storage and processing overflow tank (identified as ST-052), used to store multigrade asphalt, having a maximum storage capacity of 5,264 gallons. This storage tank was constructed in 1987.
- (41) One (1) storage tank (identified as ST-053), used to store polyphosphoric acid, having a maximum storage capacity of 4,500 gallons. This storage tank was constructed in

2003.

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

- (42) Two (2) storage tanks (identified as ST-054 and ST-055), used to store asphalt, each having a maximum storage capacity of 30,104 gallons. These storage tanks will be constructed in 2004-2005.
 - (43) Two (2) storage tanks (identified as ST-056 and ST-057), used to store asphalt, having a maximum storage capacity of 88,218 gallons each. These storage tanks will be constructed in 2004/2005.
 - (44) One (1) new storage tank (identified as ST-058), used to store petroleum asphalt, having maximum capacity of 300,810 gallons, planned to be constructed in 2004-2005.
 - (45) Two (2) storage tanks (identified as ST-066 and ST-067), used to store petroleum asphalt, each having a maximum storage capacity of 210,000 gallons. These storage tanks were constructed in 1970.
 - (46) One (1) storage tank (identified as ST-175), used to store petroleum asphalt, having a maximum storage capacity of 7,401,059 gallons. This storage tank was constructed in 1993.
 - (47) One (1) storage tank (identified as ST-803), used to store petroleum asphalt, having a maximum storage capacity of 3,352,388 gallons. This storage tank was constructed in 1970.
 - (48) One (1) storage tank (identified as ST-560), used to store petroleum asphalt, having a maximum storage capacity of 2,350,080 gallons. This storage tank was constructed in 1970.
 - (49) One (1) storage tank (identified as ST-260), used to store petroleum asphalt, having a maximum storage capacity of 1,054,951 gallons. This storage tank was constructed in 1970.
- (d) Processing units with volatile organic compound emissions equal to or less than 3 pounds per hour and 15 pounds per day, and HAP emissions equal to or less than 5 pounds per day and 1 ton per year of a single HAP and 12.5 pounds per day and 2.5 ton per year of any combination of HAPs, including the following units:
- (1) One (1) enclosed Asphalt Emulsion Colloid Shear Mill, constructed in 1960, having a maximum production capacity of 50.2 tons per hour.
 - (2) One (1) enclosed Multigrade Asphalt Colloid Shear Mill, constructed in 1980, having a maximum production capacity of 16.9 tons per hour.
 - (3) Two (2) blending tanks (identified as ST-026 and ST-027), constructed in 1972, each having a maximum storage capacity of 33,000 gallons.
 - (4) One (1) batch processing tank (identified as ST-048), constructed in 1987, having a maximum capacity of 1,170 gallons, and used to mix hot petroleum asphalt with additives before milling.
 - (5) Two (2) Loading Racks with 300 gallons per minute capacity (identified as LO-12 and LO-13) located at the trail siding and in the main plant.
 - (6) Six (6) petroleum asphalt pumping stations (identified as P-15 through P-20).

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

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

D.5.1 General Provision Relating to NSPS [326 IAC 12-1] [40 CFR 60, Subpart A]

- (a) The provisions of 40 CFR 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the storage tanks ST-005, ST-006, ST-010, ST-011, ST-012, ST-014, ST-015, ST-021, ST-022, ST-034, ST-036, ST-037, ST-039, ST-040, ST-050, ST-051, ST-052, ST-054, ST-055, ST-056, ST-057, ST-059, and ST-175, except when otherwise specified in 40 CFR 60, Subpart UU.
- (b) Pursuant to the 40 CFR 60.472(c), no gases shall be discharged from any asphalt storage tank, subject to 40 CFR 60, Subpart UU, with an opacity greater than zero percent, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing. The following storage tanks are subject to this requirement: ST-034, ST-036, ST-037, ST-050, ST-051, ST-052, ST-054, ST-055, ST-056, ST-057, and ST-175.

D.5.2 NSPS Requirements [326 IAC 12-1] [40 CFR 60, Subpart UU]

Pursuant to the 40 CFR 60.472(c), no gases shall be discharged from any asphalt storage tank, subject to 40 CFR 60, Subpart UU, with an opacity greater than zero percent, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing. The following storage tanks are subject to this requirement: ST-034, ST-036, ST-037, ST-050, ST-051, ST-052, ST-054, ST-055, ST-056, ST-057, ST-058, and ST-175.

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

D.5.3 Record Keeping Requirements [40 CFR 60, Subpart Kb][326 IAC 12-1]

Pursuant to 40 CFR 60, Subpart Kb (326 IAC 12), the Permittee shall maintain records of the dimensions and analysis showing the capacity of the storage tanks ST-005, ST-006, ST-010, ST-011, ST-015, ST-021, ST-022, ST-034, ST-036, ST-037, ST-039, ST-040, ST-050, ST-051, ST-054, ST-055, ST-056, ST-057, and ST-175. These records shall be maintained for the life of the source.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
AND
THE CITY OF INDIANAPOLIS
OFFICE OF ENVIRONMENTAL SERVICES**

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

Source Name: Asphalt Materials, Inc.
Source Address: 4902 West 86th Street, Indianapolis, Indiana 46268
Mailing Address: 5400 West 86th Street, Indianapolis, Indiana 46268
FESOP No.: F097-6035-00098

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 DATA SECTION
and
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
AIR COMPLIANCE**

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

Source Name: Asphalt Materials, Inc.
Source Address: 4902 West 86th Street, Indianapolis, Indiana 46268
Mailing Address: 5400 West 86th Street, Indianapolis, Indiana 46268
FESOP No.: F097-6035-00098

This form consists of 2 pages

Page 1 of 2

Check either No. 1 or No.2	
1.	This is an emergency as defined in 326 IAC 2-7-1(12) The Permittee must notify the OES and OAQ, within four (4) business hours; and The Permittee must submit notice in writing or by facsimile to OES and OAQ within two (2) days, and follow the other requirements of 326 IAC 2-8-12
2.	This is a deviation, reportable per 326 IAC 2-8-4(3)(C) The Permittee must submit notice in writing within ten (10) calendar days

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/Deviation:
Describe the cause of the Emergency/Deviation:

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

Page 2 of 2

Date/Time Emergency/Deviation started:
Date/Time Emergency/Deviation was corrected:
Was the facility being properly operated at the time of the emergency/deviation? 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/deviation:
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: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
AND
CITY OF INDIANAPOLIS
OFFICE OF ENVIRONMENTAL SERVICES**

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

Source Name: Asphalt Materials, Inc.
Source Address: 4902 West 86th Street, Indianapolis, Indiana 46268
Mailing Address: 5400 West 86th Street, Indianapolis, Indiana 46268
FESOP No.: F097-6035-00098
Facility: Boilers SB-01 and SB-02

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

A certification by the authorized individual as defined by 326 IAC 2-1.1-1 is required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION
 AND
 CITY OF INDIANAPOLIS
 OFFICE OF ENVIRONMENTAL SERVICES**

FESOP Quarterly Report

Source Name: Asphalt Materials, Inc.
 Source Address: 4902 West 86th Street, Indianapolis, Indiana 46268
 Mailing Address: 5400 West 86th Street, Indianapolis, Indiana 46268
 FESOP No.: F097-6035-00098
 Facility: Boilers (SB-01 and SB-02) and heaters (PH-01, HO-01 through HO-07, TH-34, TH-37, TH-42 and TH-43)
 Parameter: Fuel Oil No. 2 usage
 Limit: 2,802,817 gallons of No. 2 Fuel Oil with a sulfur content of less than or equal to 0.5% by weight. Compliance shall be determined at the end of each month.

YEAR: _____

Month	Column 1		Column 2		Column 1 + Column 2	
	This Month		Previous 11 Months		12 Month Total	
	Fuel Oil Usage (gal)	Sulfur Content (%)	Fuel Oil Usage (gal)	Sulfur Content (%)	Fuel Oil Usage (gal)	Sulfur Content (%)
Month 1						
Month 2						
Month 3						

- ☉ No deviation occurred in this quarter.
- ☉ Deviation/s occurred in this quarter.
 Deviation has been reported on:

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

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION
 AND
 CITY OF INDIANAPOLIS
 OFFICE OF ENVIRONMENTAL SERVICES**

FESOP Quarterly Report

Source Name: Asphalt Materials, Inc.
 Source Address: 4902 West 86th Street, Indianapolis, Indiana 46268
 Mailing Address: 5400 West 86th Street, Indianapolis, Indiana 46268
 FESOP No.: F097-6035-00098
 Facility: Two (2) Asphalt Blowing Stills, identified as ST-047 and ST-059, having a maximum capacity of 12 tons per hour each, with emissions exhausted to a 5,000-gallon, condensate vapor knock-out tank (identified as ST-046 and constructed in 1996). The knock-out tank exhausts to a 7.5 MMBtu per hour, natural gas-fired afterburner (identified as CE-01), used to control emissions of VOC, exhausting at stack CE-02. Blowing Still ST-047 was constructed in 1996; the new Blowing Still ST-059 is planned to be constructed in 2004/2005. The Blowing Stills will be operated alternatively, except during charging and discharging.
 Parameter: Asphalt throughput.
 Limit: 65,217 tons per 12 consecutive months, rolled monthly. Compliance shall be determined at the end of each month.

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

- ☉ No deviation occurred in this quarter.
- ☉ Deviation/s occurred in this quarter.
 Deviation has been reported on:

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

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION
 AND
 CITY OF INDIANAPOLIS
 OFFICE OF ENVIRONMENTAL SERVICES**

FESOP Quarterly Report

Source Name: Asphalt Materials, Inc.
 Source Address: 4902 West 86th Street, Indianapolis, Indiana 46268
 Mailing Address: 5400 West 86th Street, Indianapolis, Indiana 46268
 FESOP No.: F097-6035-00098
 Facility: Boiler SB-02
 Parameter: Fuel Oil No. 2 usage
 Limit: 1,125,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR:

Month	Column 1		Column 2		Column 1 + Column 2	
	This Month		Previous 11 Months		12 Month Total	
Month 1						
Month 2						
Month 3						

- ☛ No deviation occurred in this quarter.
- ☛ Deviation/s occurred in this quarter.
 Deviation has been reported on:

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

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION
 AND
 THE CITY OF INDIANAPOLIS
 OFFICE OF ENVIRONMENTAL SERVICES**

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

Source Name: Asphalt Materials, Inc.
 Source Address: 4902 West 86th Street, Indianapolis, Indiana 46268
 Mailing Address: 5400 West 86th Street, Indianapolis, Indiana 46268
 FESOP No.: F097-6035-00098

Months: _____ **to** _____ **Year:** _____

<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. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
<p><input checked="" type="radio"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.</p>	
<p><input type="radio"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD</p>	
<p>Permit Requirement (specify permit condition #)</p>	
<p>Date of Deviation:</p>	<p>Duration of Deviation:</p>
<p>Number of Deviations:</p>	
<p>Probable Cause of Deviation:</p>	
<p>Response Steps Taken:</p>	
<p>Permit Requirement (specify permit condition #)</p>	
<p>Date of Deviation:</p>	<p>Duration of Deviation:</p>
<p>Number of Deviations:</p>	
<p>Probable Cause of Deviation:</p>	
<p>Response Steps Taken:</p>	

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

Form Completed By:

Title/Position:

Date:

Phone:

Attach a signed certification to complete this report.

**Attachment A
Fugitive PM Control Plan
For Asphalt Materials, Inc.**

**5400 West 86th Street
Indianapolis, Indiana 46268**

FESOP No.: 097-6035-00098

(Submitted June 26, 1996)

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), the fugitive particulate matter emissions from plant roadways and parking lots shall be controlled by:

- (a) Applying a dust suppressant, such as water or an asphalt emulsion, to road and parking lot surfaces when needed.
- (b) The dust suppressant will be sprayed on roadway surfaces on an as-needed basis, contingent upon precipitation events and humidity.
- (c) Vehicle traffic speeds on unpaved roadways will be limited to 10 miles per hour.

**Indiana Department of Environmental Management
Office of Air Quality
and
Indianapolis Office of Environmental Services**

Technical Support Document (TSD) for a Significant Permit Revision

Source Background and Description

Source Name:	Asphalt Materials, Inc
Source Location:	4902 West 86th Street, Indianapolis, Indiana 46268
County:	Marion
SIC Code:	2951/2952
FESOP No.:	097-6035-00098
Permit Revision No.:	097-19336-00098
Permit Reviewer:	Boris Gorlin

The Indianapolis Office of Environmental Services (OES) and Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) have reviewed a modification application from Asphalt Materials, Inc. relating to the operation of an asphalt emulsion blending and asphalt oxidation plant.

Explanation of Modification

- (a) This source is operating under the FESOP 097-6035-00098, issued on July 8, 2003. The stack test of the Asphalt Blowing Still (Emission Unit ID ST-014), conducted on November 5 and 6, 2003, demonstrated compliance with the 326 IAC 6-1-12 PM emission limits of 0.004 gr/dscf and 0.3 ton/yr, and non-compliance with the FESOP limit of 0.068 lb/hr of PM10 emission. The maximum hourly emission rate during the stack test was 0.094 lb/hr.

The 0.068 lb/hr PM10 emission limit was included in the FESOP to ensure compliance with the 326 IAC 6-1-12 limit of 0.3 ton/yr at the maximum Asphalt Blowing Still capacity of 12 ton/hr at 8760 hours of operation.

The results of conducted stack test and stack tests at similar asphalt industry sources show the actual PM10 emission rates (after control) being in the range of 0.003 to 0.020 lb/ton, which is much lower than AP-42 emission factor of 0.81 lb/ton). The Asphalt Materials, Inc. stack test produced emission rates of 0.0066 lb/ton average and 0.0078 lb/ton maximum.

The source requested to change the hourly PM10 emission limit **from 0.068 lb/hr to 0.110 lb/hr**. The source agreed to limit the amount of asphalt processed in the Blower Still to **65,217 ton/yr**, which is equivalent to 5,455 hr/yr of operation (at conservatively estimated emission rate of 0.0092 lb/ton). These new limits will ensure compliance with the 326 IAC 6-1-12 limit of 0.3 ton/yr:

$$E = 0.110 \text{ lb/hr} \times (65,217 \text{ ton} / 12 \text{ ton/hr}) / 2,000 \text{ lb/ton} = 0.299 \text{ ton/yr.}$$

At 0.110 lb/hr limited PM10 emissions and air flow rate of 3,459 dscfm, the source will be also in compliance with the 326 IAC 6-1-12 limit of 0.004 gr/dscf:

$$(0.110 \text{ lb/hr} \times 7,000 \text{ gr/lb} / 60 \text{ min/hr}) / 3,459 \text{ dscfm} = 0.0037 \text{ gr/dscf.}$$

See detailed Asphalt Blowing Still PM10 emission calculations in the attached TSD Appendix A (one page).

- (b) The Permittee requested to remove Condition C.13 (Emergency Reduction Plan) from the permit, because this FESOP source's limited potential to emit of all pollutants (including PM)

is less than 100 ton/yr; therefore, pursuant to 326 IAC 1-5-2 (Emergency reduction plans; submission), Emergency Reduction Plan is not required.

- (c) The Permittee applied for a permit revision relating to the changes in the rule 326 IAC 2-6 (Emission Reporting). This change is incorporated in the current permit revision.

Justification for the Modification

The FESOP is being modified through a Significant Permit Revision. This modification is being performed pursuant to 326 IAC 2-8-11.1(g)(2) and (3) as a modification that requires an adjustment to the emissions cap limitations and changes an existing requirement for the units or processes under the cap.

Recommendation

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

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

An application for the purposes of this review was received on May 14, 2004. Additional information was received on June 24, 2004, and July 7, 2004.

Conclusion

The operation of the source shall be subject to conditions of the FESOP Significant Permit Revision **097-19336-00098**.

The following changes were made to the permit.

- (a) Condition B.4(b) was updated:

B.4 Enforceability [326 IAC 2-7-7]

- (b) The Indianapolis Air Pollution Control Board (IAPCB) has adopted by reference state rules listed in Attachment A of this permit. The version adopted by reference includes all amendments, additions and repeals filed with the Secretary of State through ~~August 10, 1997~~ **May 10, 2003** and published in the Indiana Register ~~September 1, 1997~~ **on June 1, 2003**, unless otherwise indicated in the adoption by reference. For the purposes of this permit, all state rules adopted by reference by the IAPCB are enforceable by OES using local enforcement procedures. Unless otherwise stated, all terms and conditions in this permit that are local requirements, including any provisions designed to limit the source's potential to emit, are enforceable by OES.

- (b) FESOP Conditions C.15 and C.19 were deleted, the other Section C Conditions were renumbered as needed:

C.15 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- ~~(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.~~
- ~~(b) These ERPs shall be submitted for approval to:~~

~~Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
400 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015~~

and

~~Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221-2009~~

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

~~C.19 Emission Statement [326 IAC 2-6] [326 IAC 2-8-4(3)]~~

- ~~(a) The Permittee shall submit an emission statement certified pursuant to the requirements of 326 IAC 2-6. This statement must be received in accordance with the compliance schedule specified in 326 IAC 2-6-3 and must comply with the minimum requirements specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8). The statement must be submitted to:~~

~~Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
400 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015~~

and

~~City of Indianapolis
Office of Environmental Services
2700 South Belmont Avenue
Indianapolis, Indiana 46221~~

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

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

-
- (c) The following changes were made to the permit section D.1.

D.1.1 FESOP Limitations [326 IAC 2-8][326 IAC 2-2]

Pursuant to 326 IAC 2-8, the PM₁₀ and VOC emissions asphalt blowing still (ST-047) shall be limited as follows:

- (a) The PM₁₀ emissions from the Asphalt Blowing Still (**ST-014**) shall not exceed ~~0.068~~ **0.110** pounds of PM₁₀ per hour. **Amount of the asphalt processed in the Asphalt Blowing Still shall not exceed 65,217 tons per twelve (12) consecutive month period, rolled monthly. Compliance shall be determined at the end of each month. The combination of these limits are is equivalent to no more than 0.3 tons of PM₁₀ emission per twelve (12) consecutive month period.**
-

~~D.1.2 PM Limitation [326 IAC 2-2]~~

~~Pursuant to 326 IAC 2-2, the PM emissions from the asphalt blowing still (ST-047) shall at all times be controlled by the knock-out tank and afterburner. The PM emissions shall not exceed 0.068 pounds of PM per hour. This limit is equivalent to 0.3 tons of PM per twelve (12) consecutive month period. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.~~

D.1.32 Particulate Matter (PM) [326 IAC 6-1-12] **[326 IAC 2-2]**

- (a) Pursuant to 326 IAC 6-1-12 (Marion County), the particulate matter emissions from the asphalt blowing still (ST-047) shall be limited to 0.004 grains per dry standard cubic foot and 0.3 tons per year. **Compliance with these limits makes 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.**
- (b) **PM emissions from the Asphalt Blowing Still (ST-047) shall at all times be controlled by the knock-out tank and afterburner.**

The subsequent section D.1 conditions were renumbered.

~~D.1.409~~ Particulate Matter (PM and PM₁₀) and Volatile Organic Compounds (VOC)

- (a) In order to comply with conditions D.1.1, D.1.2, ~~D.1.3~~, D.1.4, **and** D.1.5, ~~and D.1.6~~ the afterburner (CE-01) for PM, PM₁₀, and VOC control shall be in operation at all times the asphalt blowing still is in operation.
- (b) In order to comply with Condition D.1.5, the knock-out tank (CD-02) shall be in operation at all times the asphalt blowing still is in operation.

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

D.1.4312 Record Keeping Requirements

- (a) **To document compliance with Condition D.1.1 (a), the Permittee shall maintain records of the amount of asphalt processed in the Asphalt Blowing Still ((ST-047).**
- ~~(a)(b)~~ To document compliance with Condition D.1.10, the Permittee shall maintain records of the operating temperature of the afterburner.
- ~~(b)(c)~~ To document compliance with Condition D.1.11, the Permittee shall maintain records of visible emission notations of the asphalt blowing still stack exhaust once per shift.

D.1.4413 Reporting Requirements

- (a) Pursuant to 40 CFR 60.474, the Permittee shall, upon completion of the performance test required in Condition D.1.8, report the results of the stack tests and the afterburner temperature records to IDEM, OAQ and OES.
- (b) **A quarterly summary of the information to document compliance with Condition D.1.1(a) shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).**

.....

(c) The following Quarterly Report form was added to the permit:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
AND
CITY OF INDIANAPOLIS
OFFICE OF ENVIRONMENTAL SERVICES**

FESOP Quarterly Report

Source Name: Asphalt Materials, Inc.
Source Address: 4902 West 86th Street, Indianapolis, Indiana 46268
Mailing Address: 5400 West 86th Street, Indianapolis, Indiana 46268
FESOP No.: F097-6035-00098
Facility: One (1) Asphalt Blowing Still (identified as ST-047), having a maximum capacity of 12 tons per hour, with emissions exhausted to a 5,000-gallon, vapor condensate knock-out tank (identified as ST-046 and constructed in 1996). The knock-out tank exhausts to a 7.5 MMBtu per hour, natural gas-fired afterburner (identified as CE-01), used to control emissions of VOC, exhausting at stack CE-02.
Parameter: Asphalt throughput.
Limit: 65,217 tons per 12 consecutive months, rolled monthly. Compliance shall be determined at the end of each month.

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.
Deviation has been reported on:

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

Attach a signed certification to complete this report.

**Indiana Department of Environmental Management
Office of Air Quality
and
Indianapolis Office of Environmental Services**

**Addendum to the
Technical Support Document (TSD) for a Significant Permit Revision**

Source Name: Asphalt Materials, Inc.
Source Location: 4902 West 86th Street, Indianapolis, Indiana 46268, Marion County
County: Marion
SIC Code: 2951/2952
Operation Permit No.: 097-6035-00098
Permit Revision No.: 097-19336-00098
Permit Reviewer: Boris Gorlin

On August 2, 2004, the Indianapolis Office of Environmental Services (OES) had a notice published in the Indianapolis Star, Indianapolis, Indiana, stating that on May 14, 2004, Asphalt Materials, Inc., applied for a Federally Enforceable State Operating Permit (FESOP) revision relating to the operation of an asphalt emulsion blending and asphalt oxidation plant, located at 4902 West 86th Street, Indianapolis, Indiana. The notice also stated that the OES proposed to issue a FESOP Revision for this operation and provided information on how the public could review the proposed permit 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 permit should be issued as proposed.

The TSD will remain as it originally appeared when published. Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ), and OES prefer that the Technical Support Document reflects the permit that was on public notice. Changes to the permit or technical support material that occur after the permit has been published are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision (bolded language has been added, the language with a line through it has been deleted). The Table of Contents and conditions numbering have been revised, as needed.

Written comments were received from the Applicant, Asphalt Materials, Inc., on September 24, 2004. These comments and OES responses, including changes to the permit, are as follows.

Comment 1:

Additional asphalt blow still of 27,000-gallon capacity (15,000 gallons per batch blown) Emission Unit ID ST-059, is planned to be constructed in 2004-2005. This blow still will be identical to the existing blow still (ST-047) and will be used when the original blow still is NOT operating except to charge or discharge the still. Asphalt Materials, Inc. is willing to accept the proposed blow still production limitation of 65,217 tons of asphalt per 12-month period as a total production limit of both asphalt blow stills combined.

The additional asphalt blow still is detailed as ST-059 in the PI-14 information sheet. One blow still will not be able to be operated or blown at the same time as the other still, as the control equipment (vapor condensing knock-out tank and oxidizing afterburner) will not be able to handle nor be plumbed to accept the additional load of receiving 2 vapor streams simultaneously. One blow still will be "valved-off" while the other is blowing to keep vapors and blow pressures from entering the second tank while charging or discharging.

It is our understanding that since the second blow still will be an identical piece of equipment with raw emissions routed to the existing vapor condensate knock-out tank and proceeding on to the thermal oxidizer afterburner, and that such a performance stack test was conducted on the original blow still in November of 2003, that you will waive the requirement to conduct a performance stack test in accordance with NSPS Subpart UU and any other NESHAP requirements of the US EPA, the State of Indiana DEM, or the City of Indianapolis OES of the second blow still.

Response 1:

- (a) The new additional Asphalt Blowing Still, Emission Unit ST-059, is identical to the existing Blowing Still, Emission Unit ST-047, and **only one blowing still** can be operated at a time, and the emissions limits for both blowing stills combined will be the same as for the existing one.

A new PM emission limit of 0.0092 pounds of PM per ton of asphalt was added. At 65,217 tons per year of limited amount of asphalt processed in the Blowing Stills ST-047 and ST-059, it will be equivalent to:

$$0.0092 \text{ lb/ton} \times 65,217 \text{ ton/yr} = 0.3 \text{ ton/yr (326 IAC 6-1-12 limit),}$$

which will make 326 IAC 2-2 not applicable to the Asphalt Blowing Stills ST-047 and ST-059. Compliance Stack Test, conducted on November 5, 2003, demonstrated PM emission rates of 0.0066 lb/ton average and 0.0078 lb/ton maximum. Therefore, the source is in compliance with the 0.0092 lb/ton limit.

- (b) During the performance stack test on November 5, 2003, the source demonstrated compliance with NSPS 40 CFR 60, Subpart UU limits for the existing Blowing Still (ST-047). The new Blowing Still (ST-059) is identical to the existing one, and, as mentioned above, it will operate alternatively with the Blowing Still ST-047, using the same fan and control devices. Therefore, pursuant to 40 CFR 60.8(b) (General Provisions, Performance Tests), the Administrator waives the requirement for a new performance test related to construction and operation of a new Blowing Still ST-059. No changes were made to the permit regarding performance testing.

The following changes were made to the Permit Condition A.2 and section D.1:

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) **Two (2) One (1) Asphalt Blowing Stills, (identified as ST-047 and ST-059), constructed in 1996, having a maximum capacity of 12 tons per hour each, with emissions exhausted to a 5,000-gallon, condensate vapor knock-out tank (identified as ST-046 and constructed in 1996). The knock-out tank exhausts to a 7.5 MMBtu per hour, natural gas-fired afterburner (identified as CE-01), used to control emissions of VOC, exhausting at stack CE-02. Blowing Still ST-047 was constructed in 1996; the new Blowing Still ST-059 is planned to be constructed in 2004/2005. The Blowing Stills will be operated alternatively, except during charging and discharging.**

SECTION D.1

FACILITY OPERATION CONDITIONS

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

- (a) **Two (2) ~~One (1)~~ Asphalt Blowing Stills, (identified as ST-047 and ST-059), constructed in 1996, having a maximum capacity of 12 tons per hour each, with emissions exhausted to a 5,000-gallon, condensate vapor knock-out tank (identified as ST-046 and constructed in 1996). The knock-out tank exhausts to a 7.5 MMBtu per hour, natural gas-fired afterburner (identified as CE-01), used to control emissions of VOC, exhausting at stack CE-02. **Blowing Still ST-047 was constructed in 1996; the new Blowing Still ST-059 is planned to be constructed in 2004/2005. The Blowing Stills will be operated alternatively, except during charging and discharging.****

(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 FESOP Limitations [326 IAC 2-8][326 IAC 2-2]

Pursuant to 326 IAC 2-8, the PM₁₀ and VOC emissions from the Asphalt Blowing Stills (ST-047 and ST-059) shall be limited as follows:

- (a) The PM₁₀ emissions from the Asphalt Blowing Stills (ST-047 and ST-059) shall not exceed 0.110 pounds of PM₁₀ per hour. Amount of the asphalt processed in the Asphalt Blowing Stills shall not exceed 65,217 tons per twelve (12) consecutive month period, rolled monthly. Compliance shall be determined at the end of each month. The combination of these limits is equivalent to no more than 0.3 tons of PM₁₀ emission per twelve (12) consecutive month period.
- (b) The VOC emissions from the Asphalt Blowing Stills shall not exceed 0.74 pounds of VOC per ton of asphalt processed. This limit is equivalent to 0.39 tons per twelve (12) consecutive month period at the maximum capacity of ~~each~~ the Asphalt Blowing Still of 12 tons per hour.

These conditions, combined with the potential to emit from the boilers, heaters and storage tanks, result in PM₁₀ and VOC emissions from the entire source that are less than or equal to 4.9 tons per twelve (12) consecutive month period and 40.7 tons per twelve (12) consecutive month period, respectively. Compliance with conditions (a) and (b) makes 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (PSD) not applicable.

D.1.2 Particulate Matter (PM) [326 IAC 6-1-12] [326 IAC 2-2]

- (a) Pursuant to 326 IAC 6-1-12 (Marion County), the particulate matter emissions from the Asphalt Blowing Stills (ST-047 and ST-059) shall be limited to 0.004 grains per dry standard cubic foot (0.3 tons per year) **and 0.0092 pounds per ton of asphalt processed in the stills.** Compliance with these limits makes 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.
- (b) PM emissions from the Asphalt Blowing Stills (ST-047 and ST-059) shall at all times be controlled by the knock-out tank (**ST-046**) and afterburner (**CE-01**).

D.1.3 General Provision Relating to NSPS [326 IAC 12-1] [40 CFR 60, Subpart A]

Addendum to the Technical Support Document

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

D.1.4 NSPS Requirements [326 IAC 12-1] [40 CFR 60, Subpart UU]

- (a) Pursuant to 40 CFR 60.472(b), particulate matter emissions from the Asphalt Blowing Stills (ST-047 **and** ST-059) shall not exceed the following limits:
 - (1) 1.3 pounds per ton of asphalt charged when a catalyst is added to the Still.
 - (2) 1.2 pounds per ton of asphalt charged during blowing without a catalyst.
- (b) Pursuant to 40 CFR 60.472(b)(5), the opacity of the exhaust gases from the Asphalt Blowing Stills (ST-047 **and** ST-059) shall not exceed zero percent.
- (c)

D.1.5 BACT for Volatile Organic Compounds (VOC) [326 IAC 8-1-6]

Pursuant to 326 IAC 8-1-6 (New Facilities; General Reduction Requirements), the VOC emissions from the Asphalt Blowing Stills (ST-047 **and** ST-059) shall be controlled by the knock-out tank (CD-02) and afterburner (CE-01). The knock-out tank and afterburner shall be in operation and control emissions from the Asphalt Blowing Stills (ST-047 **and** ST-059) at all times **when any of** the Asphalt Blowing Stills (ST-047 **and** ST-059) is in operation.

.....
D.1.9 Particulate Matter (PM and PM₁₀) and Volatile Organic Compounds (VOC)

- (a) In order to comply with conditions D.1.1, D.1.2, D.1.4, and D.1.5, the afterburner (CE-01) for PM, PM₁₀, and VOC control shall be in operation at all times **when any of** the Asphalt Blowing Stills (ST-047 **and** ST-059) is in operation.
- (b) In order to comply with Condition D.1.5, the knock-out tank (CD-02) shall be in operation at all times **when any of** the Asphalt Blowing Stills (ST-047 **and** ST-059) is in operation.

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

.....
D.1.11 Visible Emissions Notations

- (a) Visible emission notations of the Asphalt Blowing Stills (ST-047 **and** ST-059) stack exhaust shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

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

D.1.12 Record Keeping Requirements

- (a) To document compliance with Condition D.1.1 (a), the Permittee shall maintain records of the amount of asphalt processed in the Asphalt Blowing Stills (ST-047 **and** ST-059).
- (b) To document compliance with Condition D.1.10, the Permittee shall maintain records of the operating temperature of the afterburner.

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- (b) To document compliance with Condition D.1.11, the Permittee shall maintain records of visible emission notations of the Asphalt Blowing Stills (ST-047 and ST-059) stack exhaust once per shift.

.....
The following changes were made to the FESOP Quarterly Report.

FESOP Quarterly Report

Source Name: Asphalt Materials, Inc.
Source Address: 4902 West 86th Street, Indianapolis, Indiana 46268
Mailing Address: 5400 West 86th Street, Indianapolis, Indiana 46268
FESOP No.: F097-6035-00098
Facility: **Two (2) ~~One (1)~~ Asphalt Blowing Stills, (identified as ST-047 and ST-059),** having a maximum capacity of 12 tons per hour **each**, with emissions exhausted to a 5,000-gallon, condensate vapor knock-out tank (identified as ST-046 and constructed in 1996). The knock-out tank exhausts to a 7.5 MMBtu per hour, natural gas-fired afterburner (identified as CE-01), used to control emissions of VOC, exhausting at stack CE-02. **Blowing Still ST-047 was constructed in 1996; the new Blowing Still ST-059 is planned to be constructed in 2004/2005. The Blowing Stills will be operated alternatively, except during charging and discharging.**
Parameter: Asphalt throughput.
Limit: 65,217 tons per 12 consecutive months, rolled monthly. Compliance shall be determined at the end of each month.

=====
Comment 2:

The following new equipment is planned to be constructed or modified in 2004/2005:

- (a) Two (2) new Direct fired tank tube heaters of no greater than 3.5 MMBTU/hr each (TH-56 and TH-57) installed in Tanks ST-056 and ST-057). These units are considered insignificant activities and combust natural gas only (new equipment for this permit). These units have insignificant VOC and PM10 potential emissions.
- (b) One new Storage tank for petroleum asphalt, 300,810 gallons (ST-058) located in the main plant. This tank has insignificant VOC emissions of 0.000 tons per year.
- (c) Two (2) new Loading racks with 300 gallons-per-minute capacity (LO-12 and LO-13) located at the trail siding and in the main plant. These units have insignificant potential VOC emissions of 0.000 tons per year.
- (d) Six (6) Petroleum asphalt pumping stations, P-15 through P-20, (detailed in the GSD form). These units have potential insignificant VOC emissions of 0.000 tons per year.

Accompanying this letter are the PI-02, PI-14, and GSD-05 forms providing details of the tank heaters, storage tanks, loading racks and pump stations respectively along with the TANKS 4.09 tank emission calculations and the AP-42 loading rack emissions. Pump stations will have 0.000 potential emissions, as the material will be withdrawn from the original source and vapors thus drawn into the tank or rail cargo tank.

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- (d) Storage tanks for hot roofing asphalt, 88,128 gallons each (ST-056 and ST-057) located in the main plant (tanks already listed in the permit but tank sizes have changed to smaller tanks). These tanks have insignificant VOC emissions of 0.000 tons per year.

Addendum to the Technical Support Document

Response 2:

The following changes were made to the Condition A.3.

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):

.....
(b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including two (2) new direct fired 3.5 MMBtu per hour natural gas tank tube heaters, identified as TH-56 and TH-57, installed in tanks ST-056 and ST-057. These units will be constructed in 2004-2005.

~~(b)(c)~~ **(c) Fifty-Eight (58) Nine (59) storage tanks with volatile organic compound emissions equal to or less than 3 pounds per hour and 15 pounds per day, and HAP emissions equal to or less than 5 pounds per day and 1 ton per year of a single HAP and 12.5 pounds per day and 2.5 ton per year of any combination of HAPs, including:**

.....
(41) One (1) storage tank (identified as ST-053), used to store polyphosphoric acid, having a maximum storage capacity of 4,500 gallons. This storage tank ~~will be~~ **was** constructed in ~~2002/~~2003.

(42) Two (2) storage tanks (identified as ST-054 and ST-055), used to store asphalt, each having a maximum storage capacity of 30,104 gallons. These storage tanks will be constructed in 2004/**2005**.

(43) Two (2) storage tanks (identified as ST-056 and ST-057), used to store asphalt, having a maximum storage capacity of ~~2,465,520~~ **88,218** gallons ~~each and 4,265,856 gallons, respectively.~~ These storage tanks will be constructed in 2004/**2005**.

(44) One (1) new storage tank (identified as ST-058), used to store petroleum asphalt, having maximum capacity of 300,810 gallons, planned to be constructed in 2004-2005.

~~(44)~~(45) Two (2) storage tanks (identified as ST-066 and ST-067), used to store petroleum asphalt, each having a maximum storage capacity of 210,000 gallons. These storage tanks were constructed in 1970.

(45)~~(46)~~ One (1) storage tank (identified as ST-175), used to store petroleum asphalt, having a maximum storage capacity of 7,401,059 gallons. This storage tank was constructed in 1993.

~~(46)~~(47) One (1) storage tank (identified as ST-803), used to store petroleum asphalt, having a maximum storage capacity of 3,352,388 gallons. This storage tank was constructed in 1970.

~~(47)~~(48) One (1) storage tank (identified as ST-560), used to store petroleum asphalt, having a maximum storage capacity of 2,350,080 gallons. This storage tank was constructed in 1970.

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~~(48)~~**(49)** One (1) storage tank (identified as ST-260), used to store petroleum asphalt, having a maximum storage capacity of 1,054,951 gallons. This storage tank was constructed in 1970.

~~(e)~~**(d)** Processing units with volatile organic compound emissions equal to or less than 3 pounds per hour and 15 pounds per day, and HAP emissions equal to or less than 5 pounds per day and 1 ton per year of a single HAP and 12.5 pounds per day and 2.5 ton per year of any combination of HAPs, including the following sixty (60) storage tanks, including the following units:

.....

(5) Two (2) Loading Racks with 300 gallons per minute capacity (identified as LO-12 and LO-13) located at the trail siding and in the main plant.

(6) Six (6) petroleum asphalt pumping stations (identified as P-15 through P-20).

~~(d)~~**(e)** Paved and unpaved roads and parking lots with public access.

The following changes were made to the permit Section D.4.

SECTION D.4 FACILITY OPERATION CONDITIONS

<p>Facility Description [326 IAC 2-8-4(10)]:</p> <p>Insignificant Activities:</p> <p>(b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including two (2) new direct fired 3.5 MMBtu per hour natural gas tank tube heaters, identified as TH-56 and TH-57, installed in tanks ST-056 and ST-057. These units will be constructed in 2004/2005.</p> <p>(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)</p>

.....

.....

The new tank for petroleum asphalt, identified as ST-058, having maximum storage capacity of 300,810 gallons, to be constructed in 2004-2005, is subject to the New Source Performance Standard (NSPS), 40 CFR 60, Subpart UU (326 IAC 12) - Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacturing, because this NSPS applies to asphalt storage tanks and blowing stills located at asphalt processing plants. The following changes were made to the Permit Section D.5.

SECTION D.5

FACILITY OPERATION CONDITIONS

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

(b) Fifty ~~Eight (58)~~ **Nine (59)** storage tanks with volatile organic compound emissions equal to or less than 3 pounds per hour and 15 pounds per day, and HAP emissions equal to or less than 5 pounds per day and 1 ton per year of a single HAP and 12.5 pounds per day and 2.5 ton per year of any combination of HAPs, including:

.....
(41) One (1) storage tank (identified as ST-053), used to store polyphosphoric acid, having a maximum storage capacity of 4,500 gallons. This storage tank ~~will be~~ **was** constructed in ~~2002/~~2003.

(42) Two (2) storage tanks (identified as ST-054 and ST-055), used to store asphalt, each having a maximum storage capacity of 30,104 gallons. These storage tanks will be constructed in 2004/**2005**.

(43) Two (2) storage tanks (identified as ST-056 and ST-057), used to store asphalt, having a maximum storage capacity of ~~2,165,520~~ **88,218** gallons ~~each and 4,265,856 gallons, respectively.~~ These storage tanks will be constructed in 2004/**2005**.

(44) One (1) new storage tank (identified as ST-058), used to store petroleum asphalt, having maximum capacity of 300,810 gallons, planned to be constructed in 2004-2005.

~~(44)~~**(45)** Two (2) storage tanks (identified as ST-066 and ST-067), used to store petroleum asphalt, each having a maximum storage capacity of 210,000 gallons. These storage tanks were constructed in 1970.

~~(45)~~**(46)** One (1) storage tank (identified as ST-175), used to store petroleum asphalt, having a maximum storage capacity of 7,401,059 gallons. This storage tank was constructed in 1993.

~~(46)~~**(47)** One (1) storage tank (identified as ST-803), used to store petroleum asphalt, having a maximum storage capacity of 3,352,388 gallons. This storage tank was constructed in 1970.

~~(47)~~**(48)** One (1) storage tank (identified as ST-560), used to store petroleum asphalt, having a maximum storage capacity of 2,350,080 gallons. This storage tank was constructed in 1970.

~~(48)~~**(49)** One (1) storage tank (identified as ST-260), used to store petroleum asphalt, having a maximum storage capacity of 1,054,951 gallons. This storage tank was constructed in 1970.

~~(c)~~**(d)** Processing units with volatile organic compound emissions equal to or less than 3 pounds per hour and 15 pounds per day, and HAP emissions equal to or less than 5 pounds per day and 1 ton per year of a single HAP and 12.5 pounds per day and 2.5 ton per year of any combination of HAPs, including the following units:

.....
(5) Two (2) Loading Racks with 300 gallons per minute capacity (identified as LO-12 and LO-13) located at the trail siding and in the main plant.

(6) Six (6) petroleum asphalt pumping stations (identified as P-15 through P-20.

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

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

D.5.1 General Provision Relating to NSPS [326 IAC 12-1] [40 CFR 60, Subpart A]

- (a) The provisions of 40 CFR 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the storage tanks **ST-005, ST-006**, ST-010, ST-011, ST-012, ST-014, **ST-015, ST-021, ST-022**, ST-034, ST-036, ST-037, ST-039, ST-040, ST-050, ST-051, ST-052, ST-054, ST-055, ST-056, ST-057, **ST-059**, and ST-175, except when otherwise specified in 40 CFR 60, Subpart UU.
- ~~(b) The provisions of 40 CFR 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the storage tanks ST-005, ST-006, ST-010, ST-011, ST-015, ST-021, ST-022, ST-034, ST-036, ST-037, ST-039, ST-040, ST-050, ST-051, ST-054, ST-055, ST-056, ST-057, and ST-175.~~
- ~~(b)~~ Pursuant to the 40 CFR 60.472(c), no gases shall be discharged from any asphalt storage tank, subject to 40 CFR 60, Subpart UU, with an opacity greater than zero percent, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing. The following storage tanks are subject to this requirement: ST-034, ST-036, ST-037, ST-050, ST-051, ST-052, ST-054, ST-055, ST-056, ST-057, and ST-175.

D.5.2 NSPS Requirements [326 IAC 12-1] [40 CFR 60, Subpart UU]

Pursuant to the 40 CFR 60.472(c), no gases shall be discharged from any asphalt storage tank, subject to 40 CFR 60, Subpart UU, with an opacity greater than zero percent, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing. The following storage tanks are subject to this requirement: ST-034, ST-036, ST-037, ST-050, ST-051, ST-052, ST-054, ST-055, ST-056, ST-057, **ST-058**, and ST-175.

=====

Upon further review, the following changes were made to the permit.

- (a) The following changes were made to the Title page:

.....

(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.

- (b) Condition B.10 (Compliance with Permit Conditions) was deleted, because this condition language was moved to the Title page. The consequent Section B conditions were renumbered; appropriate changes were made to the Table of Contents.
- (c) Condition B.24 was added. Appropriate change was made to the Table of Content.

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

Notwithstanding the conditions of this permit that state specific methods that may be used to demonstrate compliance with, or a violation of, applicable requirements, any person (including the Permittee) may also use other credible evidence to demonstrate compliance with, or a violation of, any term or condition of this permit.

Appendix A: Emission Calculations						
PM10 Emissions From Blowing Still (Asphalt Oxidizer) ST-047						
Company Name: Asphalt Materials, Inc.						
Address City IN Zip: 4902 West 86th Street, Indianapolis, IN 46268						
FESOP: F097-6035-00098						
Plt ID: 097-00098						
1st Significant Permit Revision: 097-19336-00098						
Reviewer: Boris Gorlin						
Stack Test Results (November 5-6, 2003)						
Pollutant	test run #	Stack Test Results				Actual EF
		lb/hr	gr/dscf	dscfm	Throughput, ton/hr	lb/ton
PM10	1	0.0936	0.0032	3,459	12.0	0.0078
PM10	2	0.076	0.002499	3,549	12.0	0.0063
PM10	3	0.0669	0.0021	3,695	12.0	0.0056
Average:		0.0788	0.0026	3,567	12.0	0.0066
					AP-42:	0.81
New limits:						
Hourly PM10 emission rate, less than:			0.110 lb/hr	Existing limit: 0.068 lb/hr		
Production limit (at 0.3 ton/yr PM/PM10 emission limit), less than:			65,217 ton/yr			
Maximum material throughput:			12	ton/hr		
Emission factor (conservative estimate):			0.0092	lb/ton		
Equivalent grainloading (at 3,457 dscfm):			0.0037	gr/dscf (<0.004 gr/dscf, 326-IAC 6-1-12)		
Equivalent hours of operation:			5,455	hr/yr		
Equivalent PM10 Emission:			0.3	ton/yr (326 IAC 6-1-12)		
Actual Emissions (tons) to be calculated by the following formula:						
$E = \text{Actual production, ton} \times 0.0092 \text{ lb/ton} / 2,000 \text{ lb/ton}$						
Example:						
$E = 65,217 \times 0.0092 / 2,000 = 0.299 \text{ ton}$						
Emission Factors at other asphalt roofing plants stack tests						
Ennis Asphalt, TX			Nueces Fabricating Co., MO			
	kg/ton	lb/ton			kg/ton	lb/ton
	0.0516	0.0234			0.0078	0.0035
	0.0635	0.0288			0.0061	0.0028
	0.0313	0.0142			0.0044	0.0020
	0.0298	0.0135		Average:	0.0061	0.0028
Average:	0.0441	0.0200				