City of Indianapolis
Bart Peterson, Mayor

TO: Firestone Building Products

RE: Lance Black / 097-21857-00140

FROM: Felicia A. Robinson
Manager of Environmental Planning

Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within fifteen (15) calendar days from the receipt of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

If you have technical questions regarding the enclosed documents, please contact the Indianapolis Office of Environmental Services, Air Permits at (317) 327-2234.

Enclosures

City of Indianapolis
Bart Peterson, Mayor

December 8, 2005

Certified Mail: 7000 0600 0023 5187 2124

Lance Black
Firestone Building Products
3525 S. Arlington Ave.
Indianapolis, IN 46203

Re: 097-21857-00140
Second Notice Only Change to
MSOP Permit No.: 097-12488-00140

Dear Mr. Black:

Firestone Building Products located at 3525 S. Arlington Avenue, was issued a Minor Source Operating Permit on September 6, 2001 for a stationary facility for manufacturing asphalt roofing materials. On June 2, 2005 a First Notice Only Change was issued to remove the emission statement due to the revisions to 326 IAC 2-6 (Emission Reporting) which became effective on March 27, 2004. Upon further review of the permit, a Second Notice Only Change (097-21857-00140) must be issued to correct discrepancies that have been found. The bold language is new language that has been added, and the language with a line through it has been taken out. Pursuant to the provisions of 326 IAC 2-6.1-6(d) the permit is hereby revised as follows:

1. IDEM was added to the Title page and the correct name of OES was revised as follows:

MINOR SOURCE OPERATING PERMIT
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
and
Indianapolis Office of Environmental ~~Resources~~ **Services**

2. All formatting errors on pages 5, 17-20, and 22 are noted and changed throughout the permit. IDEMs mailing address has been updated throughout the permit.

All other conditions of the permit shall remain unchanged and in effect. Please find attached a copy of the revised permit.

Department of Public Works
Office of Environmental Services
2700 South Belmont Avenue (317) 327-2234
Indianapolis, Indiana 46221 (fax) 327-2274
(TDD) 325-5186
www.indygov.org

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 TJ Edwards at (317) 327-2283.

Sincerely,

Felicia A. Robinson
Manager of Environmental Planning
Office of Environmental Services

Attachments: Revised Permit
FAR/tle

cc: File
Air Compliance – Matt Mosier
IDEM, OAQ – Mindy Hahn
US EPA Region 5
Marion County Health Dept.

MINOR SOURCE OPERATING PERMIT
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
and
Indianapolis Office of Environmental Services

Firestone Building Products Company
3525 South Arlington
Indianapolis, Indiana 46203

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

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 097-12488-00140	
Issued by: Original Signed By: Vaneeta M. Kumar Administrator, ERMD City of Indianapolis	Issuance Date: September 6, 2001 Expiration Date: September 5, 2006

First Notice Only Change: 097-20139-00140, issued on June 2, 2005

Second Notice Only Change: 097-21857-00140	Pages affected: 1, 5, 17,18,19,20,22
Issued by: Originally Signed by: Felicia A. Robinson Manager of Environmental Planning Office of Environmental Services	Issuance Date: December 8, 2005 Expiration Date: September 5, 2006

TABLE OF CONTENTS

A SOURCE SUMMARY 5
A.1 General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]
A.2 Emission Units and Pollution Control Equipment Summary

B GENERAL CONSTRUCTION CONDITIONS 7
B.1 Permit No Defense [IC 13]
B.2 Definitions
B.3 Effective Date of the Permit [IC 13-15-5-3]
B.4 Modification to Permit [326 IAC 2]
B.5 Minor Source Operating Permit Renewal [326 IAC 2-6.1-7]

C SOURCE OPERATION CONDITIONS 8
C.1 PSD Minor Source Status [326 IAC 2-2]
C.2 Preventive Maintenance Plan [326 IAC 1-6-3]
C.3 Permit Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]
C.4 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [326 IAC 2-6.1-5(a)(4)]
C.5 Transfer of Ownership or Operation [326 IAC 2-6.1-6(d)(3)]
C.6 Permit Revocation [326 IAC 2-1-9]
C.7 Opacity [326 IAC 5-1]
C.8 Fugitive Dust Emissions [326 IAC 6-4]
C.9 Stack Height [326 IAC 1-7]
C.10 Performance Testing [326 IAC 3-6]
C.11 Compliance Monitoring [326 IAC 2-1.1-11]
C.12 Monitoring Methods [326 IAC 3]
C.13 Compliance Monitoring Plan - Failure to Take Response Steps [326 IAC 1-6]
C.14 Actions Related to Noncompliance Demonstrated by a Stack Test

Record Keeping and Reporting Requirements
C.15 Malfunctions Report [326 IAC 1-6-2]
C.16 Monitoring Data Availability [326 IAC 2-6.1-2] [IC 13-14-1-3]
C.17 General Record Keeping Requirements [326 IAC 2-6.1-2]
C.18 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]
C.19 Annual Notification [326 IAC 2-6.1-5(a)(5)]

D.1 EMISSIONS UNIT OPERATION CONDITIONS - Line 1, Line 2, and Mixing Screw and Surge Tank 17

Emission Limitations and Standards
D.1.1 Particulate Matter (PM) [326 IAC 6-3-2]
D.1.2 Particulate Matter (PM) [326 IAC 12] [40 CFR 60.470 Subpart UU]
D.1.3 Opacity [326 IAC 12][40 CFR 60.470]
D.1.4 VOC General Reduction Requirements [326 IAC 8-1-6]
D.1.5 Preventive Maintenance Plan [326 IAC 1-6-3]

Compliance Determination Requirements
D.1.6 Particulate Matter (PM)
D.1.7 Testing Requirements [326 IAC 2-1.1-11]

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]
D.1.8 Visible Emissions Notations
D.1.9 Monsanto Mist Eliminator Parameter Monitoring

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]
D.1.10 Record Keeping Requirements
D.1.11 Reporting Requirements

D.2 EMISSIONS UNIT OPERATION CONDITIONS - Mineral Handling Operations 21

Emission Limitations and Standards [326 IAC 2-7-5(1)]
D.2.1 Particulate Matter (PM) [326 IAC 6-3-2]
D.2.2 Opacity [326 IAC 12] [40 CFR 60.470 Subpart UU]
D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements
D.2.4 Particulate Matter (PM)
D.2.5 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

Compliance Monitoring Requirements
D.2.6 Visible Emission Notation [326 IAC 12][40 CFR 60.472(d)]

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]
D.2.7 Record Keeping Requirements

D.3 EMISSIONS UNIT OPERATION CONDITIONS - Indirect Heating Facilities 23

Emission Limitations and Standards
D.3.1 Particulate Matter (PM) [326 IAC 6-2-4]

Compliance Determination Requirements
D.3.2 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

D.4 EMISSIONS UNIT OPERATION CONDITIONS - Volatile Organic Liquid Storage Tanks . . 24

Emission Limitations and Standards
D.4.1 Opacity [326 IAC 12][40 CFR 60.470 Subpart UU]

Compliance Determination Requirement
D.4.2 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]
D.4.3 Record Keeping Requirement [326 IAC 12][40 CFR 60.116b]
D.4.4 Reporting Requirement [326 IAC 12][40 CFR 60.116b]

D.5 EMISSION UNIT OPERATION CONDITIONS - Talc bag breaker and talc bag compactor 26

Emission Limitations and Standards [326 IAC 2-7-5(1)]
D.5.1 Particulate Matter (PM) [326 IAC 6-3-2]
D.5.2 Opacity [326 IAC 12] [40 CFR 60.470 Subpart UU]
D.5.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements
D.5.4 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

Compliance Monitoring Requirements
D.5.5 Visible Emission Notation [326 IAC 12][40 CFR 60.472(d)]

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.5.6 Record Keeping Requirements

Quarterly Report **28**
Quarterly Compliance Monitoring Report **29**
Annual Notification **30**
Malfunction Report **31**

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 the Office of Environmental Services (OES). The information describing the source contained in conditions A.1 and A.2 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 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

The Permittee owns and operates a stationary facility for manufacturing asphalt roofing materials.

Authorized Individual:	President
Source Address:	3525 South Arlington, Indianapolis, Indiana 46203
Mailing Address:	3525 South Arlington, Indianapolis, Indiana 46203
Phone Number:	317-784-1161
SIC Code:	2952
County Location:	Marion
County Status:	Non-attainment for 8-hour ozone and Non-attainment for PM2.5; attainment for all other criteria pollutants;
Source Status:	Minor Source Operating Permit Minor Source under PSD and Emission Offset

A.2 Emissions units and Pollution Control Equipment Summary

This stationary source is approved to construct and operate the following emissions units and pollution control devices:

(a) One (1) modified bitumen asphalt roofing line (line no.1) identified as EU-01, constructed in 1990, with a maximum capacity of 18,836 lbs of roll roofing per hour. The system consists of three 12 ton capacity mix tanks, one 10 ton capacity mix tank, one 15 ton use tank, and one impregnation vat. The system uses one (1) 11,300 cfm Monsanto Mist Eliminator (MME) identified as CE-01 for control, and exhausts to stack 1.

(b) One (1) Built Up Roofing (BUR) system (line no. 2) identified as EU-12, constructed in 1998, with a maximum capacity of 13,689 lbs of roll roofing per hour. The system consists of one (1) saturator, or coater, where heated bitumen asphalt will be applied to continuously-fed fiberglass and one (1) sand application process which will apply sand to the surface of the roll roofing (asphalt-saturated polyester substrate). The system uses one (1) 11,300 cfm Monsanto Mist Eliminator (MME) identified as CE-08 for control, and exhausts to stack 4.

(c) One (1) mixing screw and surge tank, identified as EU-15, to be constructed, with a maximum capacity of 23,360 tons of limestone usage per year, using one (1) 11,300 cfm Monsanto Mist Eliminator (MME) identified as CE-08 for control, and exhausting to stack 4.

(d) One (1) 100 ton storage silo for calcium carbonate filler material, identified as EU-02, constructed in 1990. Control equipment consists of one (1) Whirl Airflow dust collector identified as CE-04 for control, and exhausts to stack 2.

(e) One (1) 50-ton capacity sand storage silo, identified as EU-07, handling 78,465 tons of sand per year, constructed in 1994. The silo is equipped with an Ultra Industries baghouse identified as CE-07 for control, and exhausts to stack 7.

(f) One (1) limestone receiving bin, identified as EU-14, to be constructed, with a maximum capacity of 23,360 tons of limestone usage per year, using one (1) Whirl Airflow 600 cfm

dust collector identified as CE-02 for control, and exhausting to stack 5.

(g) One (1) Heatec Thermal Fluid Heater - natural gas fired, identified as EU-13, installed in 1989, with a capacity of 6 million Btu per hour, using no controls, and venting to Stack 13.

(h) One (1) Heatec Thermal Fluid Heater - natural gas fired, identified as EU-03, installed in 1989, with a capacity of 6 million Btu per hour, using no controls, and venting to Stack 3.

(i) One (1) Inferno Therm Polyolefin (APP) Heater - natural gas fired, identified as EU-08, installed in 1989, with a capacity of 0.8 million Btu per hour, using no controls, and venting to Stack 8.

(j) Two (2) 3,470 cubic foot (98.25 cubic meter) asphalt storage tanks, installed in 1990, using one (1) 11,300 cfm Monsanto Mist Eliminator (MME) identified as CE-01 for control, and exhausting to stack 1.

(k) One (1) 3,470 cubic foot (98.25 cubic meter) oxidized asphalt storage tank, installed in 1998, using one (1) 11,300 cfm Monsanto Mist Eliminator (MME) identified as CE-08 for control, and exhausting to stack 4.

(l) One (1) 3,370 cubic foot (95.41 cubic meter) liquid polypropylene storage tank, installed in 1990, using no controls, and exhausting to the atmosphere.

(m) One (1) American Process Bag breaker with a maximum capacity of 400 pounds per hour of talc, sand and other surfacing agents, using no control, and exhausting inside the building.

SECTION B GENERAL CONSTRUCTION CONDITIONS

THIS SECTION OF THE PERMIT IS BEING ISSUED UNDER THE PROVISIONS OF 326 IAC 2-1.1 AND 40 CFR 52.780, WITH CONDITIONS LISTED BELOW.

B.1 Permit No Defense [IC 13]

This permit 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 13-25; and 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.

B.2 Definitions

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, any applicable definitions found in IC 13-11, 326 IAC 1-2, and 326 IAC 2-1.1-1 shall prevail.

B.3 Effective Date of the Permit [IC13-15-5-3]

Pursuant to IC 13-15-5-3, this permit becomes effective upon its issuance.

B.4 Modification to Permit [326 IAC 2]

Notwithstanding the Section B condition entitled “Minor Source Operating Permit”, all requirements and conditions of this construction permit shall remain in effect unless modified in a manner consistent with procedures established for modifications of construction permits pursuant to 326 IAC 2 (Permit Review Rules).

B.5 Minor Source Operating Permit Renewal [326 IAC 2-6.1-7]

Pursuant to 326 IAC 2-6.1-7, an operating permit shall be valid for a period of time not to exceed five (5) years. However, permits may be valid for any lesser period if determined necessary for administrative reasons by IDEM, OAQ, or OES. At least ninety (90) calendar days prior to the expiration date of an operating permit, the applicant shall apply for a new operating permit from OES. If a timely and sufficient application for renewal has been made, the existing permit does not expire until a final decision on the application for renewal has been made by the department. The application for the operating permit renewal shall include the following information:

(a) Certification that the source has not changed from the initial permit issuance or that all modifications to the source have been reviewed and approved in accordance with this rule.

(b) Identification of any changes to the source that are subject to this article that have not received approval prior to construction or operation.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

C.1 PSD Minor Source Status [326 IAC 2-2] [40 CFR 52.21]

The total source potential to emit of all criteria pollutants is less than 250 tons per year. Therefore the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 will not apply.

C.2 Preventive Maintenance Plan [326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMP) after issuance of this permit, including the following information on each emissions unit:

(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;

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

(b) The Permittee shall implement the Preventive Maintenance Plans as necessary to ensure that failure to implement the Preventive Maintenance Plan does not cause or contribute to a violation of any limitation on emissions or potential to emit.

(c) PMP's shall be submitted to IDEM, OAQ, and OES upon request and shall be subject to review and approval by IDEM, OAQ, and OES. IDEM, OAQ, and OES may require the Permittee to revise its Preventive Maintenance Plan whenever lack of proper maintenance causes or contributes to any violation.

C.3 Permit Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]

(a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

and

Office of Environmental Services
Air Quality Management Section
2700 South Belmont Avenue
Indianapolis Indiana 46221-2097

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

(c) The Permittee shall notify the OAQ within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

C.4 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [326 IAC 2-6.1-5(a)(4)]

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 permitted source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) Have access to and copy, at reasonable times, any records that must be kept under this title or the conditions of this permit or any operating permit revisions;

(c) Inspect, at reasonable times, any processes, emissions units (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit or any operating permit revisions;

(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

C.5 Transfer of Ownership or Operation [326 IAC 2-6.1-6(d)(3)]

Pursuant to [326 IAC 2-6.1-6(d)(3)] :

(a) In the event that ownership of this source is changed, the Permittee shall notify IDEM, OAQ, Permits Branch and OES, within thirty (30) days of the change.

(b) The written notification shall be sufficient to transfer the permit to the new owner by an notice-only change pursuant to 326 IAC 2-6.1-6(d)(3).

(c) IDEM, OAQ, and OES shall issue a revised permit.

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.

C.6 Permit Revocation [326 IAC 2-1-9]

Pursuant to 326 IAC 2-1-9(a)(Revocation of Permits), this permit to construct and operate may be revoked for any of the following causes:

(a) Violation of any conditions of this permit.

(b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.

(c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.

(d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.

(e) For any cause which establishes in the judgment of IDEM and OES, the fact that continuance of this permit is not consistent with purposes of this article.

C.7 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.8 Fugitive Dust Emissions [326 IAC 6-4]

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

C.9 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 by using good engineering practices (GEP) pursuant to 326 IAC 1-7-3.

Testing Requirements

C.10 Performance Testing [326 IAC 3-6]

(a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than180 days after initial start-up, if specified in Section D of this approval. All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

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

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

and

Office of Environmental Services
Air Quality Management Section
2700 South Belmont Avenue
Indianapolis Indiana 46221-2097

no later than thirty-five (35) days prior to the intended test date. The Permittee shall submit a notice of the actual test date to the above address so that it is received at least two weeks prior to the test date.

(b) All test reports must be received by IDEM, OAQ and OES within forty-five (45) days after the completion of the testing. An extension may be granted by the IDEM, OAQ, and OES, if the source submits to IDEM, OAQ, a reasonable written explanation within five (5) days prior to the end of the initial forty-five (45) day period.

The documentation submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1.

Compliance Monitoring Requirements

C.11 Compliance Monitoring [326 IAC 2-1.1-11]

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

C.12 Monitoring Methods [326 IAC 3]

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

C.13 Compliance Monitoring Plan - Failure to Take Response Steps [326 IAC 1-6]

(a) The Permittee is required to implement a compliance monitoring plan to ensure that reasonable information is available to evaluate its continuous compliance with applicable requirements. This compliance monitoring plan is comprised of:

(1) This condition;

(2) The Compliance Determination Requirements in Section D of this permit;

(3) The Compliance Monitoring Requirements in Section D of this permit;

(4) The Record Keeping and Reporting Requirements in Section C (Monitoring Data Availability, General Record Keeping Requirements, and General Reporting Requirements) and in Section D of this permit; and

(5) A Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. CRP's shall be submitted to IDEM, OAQ and OES upon request and shall be subject to review and approval by IDEM, OAQ, and OES. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee and maintained on site, and is comprised of :

(A) Response steps that will be implemented in the event that compliance related information indicates that a response step is needed pursuant to the requirements of Section D of this permit; and

(B) A time schedule for taking such response steps including a schedule for devising additional response steps for situations that may not have been predicted.

(b) For each compliance monitoring condition of this permit, appropriate response steps shall be taken when indicated by the provisions of that compliance monitoring condition. Failure to perform the actions detailed in the compliance monitoring conditions or failure to take the response steps within the time prescribed in the Compliance Response Plan, shall constitute a violation of the permit unless taking the response steps set forth in the Compliance Response Plan would be unreasonable.

(c) After investigating the reason for the excursion, the Permittee is excused from taking further response steps for any of the following reasons:

(1) The monitoring equipment malfunctioned, giving a false reading. This shall be an excuse from taking further response steps providing that 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 or;

(3) An automatic measurement was taken when the process was not operating; or

(4) The process has already returned to operating within “normal” parameters and no response steps are required.

(d) Records shall be kept of all instances in which the compliance related information was not met and of all response steps taken.

C.14 Actions Related to Noncompliance Demonstrated by a Stack Test

(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 corrective actions. The Permittee shall submit a description of these corrective actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize emissions from the affected emissions unit while the corrective actions are being implemented. IDEM, OAQ shall notify the Permittee within thirty (30) days, if the corrective actions taken are deficient. The Permittee shall submit a description of additional corrective actions taken to IDEM, OAQ within thirty (30) days of receipt of the notice of deficiency. IDEM, OAQ reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate permit conditions may be grounds for immediate revocation of the

permit to operate the affected emissions unit.

The documents submitted pursuant to this condition do not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1.

Record Keeping and Reporting Requirements

C.15 Malfunctions Report [326 IAC 1-6-2]

Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

(a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.

(b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.

(c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).

(d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.16 Monitoring Data Availability [326 IAC 2-6.1-2] [IC 13-14-1-13]

(a) With the exception of performance tests conducted in accordance with Section C-Performance Testing, all observations, sampling, maintenance procedures, and record keeping, required as a condition of this permit shall be performed at all times the equipment is operating at normal representative conditions.

(b) As an alternative to the observations, sampling, maintenance procedures, and record keeping of subsection (a) above, when the equipment listed in Section D of this permit is not operating, the Permittee shall either record the fact that the equipment is shut down or perform the observations, sampling, maintenance procedures, and record keeping that would otherwise be required by this permit.

(c) If the equipment is operating but abnormal conditions prevail, additional observations and sampling should be taken with a record made of the nature of the abnormality.

(d) If for reasons beyond its control, the operator fails to make required observations, sampling, maintenance procedures, or record keeping, reasons for this must be recorded.

(e) At its discretion, IDEM and OES may excuse such failure providing adequate justification is documented and such failures do not exceed five percent (5%) of the operating time in

any quarter.

(f) Temporary, unscheduled unavailability of staff qualified to perform the required observations, sampling, maintenance procedures, or record keeping shall be considered a valid reason for failure to perform the requirements stated in (a) above.

C.17 General Record Keeping Requirements [326 IAC 2-6.1-2]

(a) Records of all required monitoring data and support information 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 kept at the source location for a minimum of three (3) years and available upon the request of an IDEM, OAQ, and OES representative. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner or OES makes a written request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or OES within a reasonable time.

(b) Records of required monitoring information shall include, where applicable:

(1) The date, place, and time of sampling or measurements;

(2) The dates analyses were performed;

(3) The company or entity performing the analyses;

(4) The analytic techniques or methods used;

(5) The results of such analyses; and

(6) The operating conditions existing at the time of sampling or measurement.

(c) Support information shall include, where applicable:

(1) Copies of all reports required by this permit;

(2) All original strip chart recordings for continuous monitoring instrumentation;

(3) All calibration and maintenance records;

(4) Records of preventive maintenance shall be sufficient to demonstrate that failure to implement the Preventive Maintenance Plan did not cause or contribute to a violation of any limitation on emissions or potential to emit. To be relied upon subsequent to any such violation, these records may include, but are not limited to: work orders, parts inventories, and operator's standard operating procedures. Records of response steps taken shall indicate whether the response steps were performed in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps, of this permit, and whether a deviation from a permit condition was reported. All records shall briefly describe what maintenance and response steps were taken and indicate who performed the tasks.

(d) All record keeping requirements not already legally required shall be implemented when operation begins.

C.18 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

(a) To affirm that the source has met all the compliance monitoring requirements stated in this permit the source shall submit a Quarterly Compliance Monitoring Report. Any deviation from the requirements and the date(s) of each deviation must be reported. The 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
Indianapolis, Indiana 46204-2251

and

Office of Environmental Services
Air Quality Management Section
2700 South Belmont Avenue
Indianapolis Indiana 46221-2097

(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, any quarterly report shall be submitted within thirty (30) days of the end of the reporting period. The report does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) All instances of deviations must be clearly identified in such reports. A reportable deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit or a rule. It does not include:

(1) An excursion from compliance monitoring parameters as identified in Section D of this permit unless tied to an applicable rule or limit; or

(2) A malfunction as described in 326 IAC 1-6-2; or

(3) Failure to implement elements of the Preventive Maintenance Plan unless lack of maintenance has caused or contributed to a deviation.

(4) Failure to make or record information required by the compliance monitoring provisions of Section D unless such failure exceeds 5% of the required data in any calendar quarter.

A Permittee's failure to take the appropriate response step when an excursion of a compliance monitoring parameter has occurred or failure to monitor or record the required compliance monitoring is a deviation.

(f) Any corrective actions or response steps taken as a result of each deviation must be clearly identified in such reports.

(g) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period.

C.19 Annual Notification [326 IAC 2-6.1-5(a)(5)]

(a) Annual notification shall be submitted to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.

(b) Noncompliance with any condition must be specifically identified. If there are any permit conditions or requirements for which the source is not in compliance at any time during the year, the Permittee must provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be, achieved. The notification must be signed by an authorized individual.

(c) The annual notice shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in the format attached no later than March 1 of each year to:

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

and

Office of Environmental Services
Air Quality Management Section
2700 South Belmont Avenue
Indianapolis Indiana 46221-2097

(d) The notification 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.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Facility Description:

(a) One (1) modified bitumen asphalt roofing line (line no.1) identified as EU-01, constructed in 1990, with a maximum capacity of 18,836 lbs of roll roofing per hour. The system consists of three 12 ton capacity mix tanks, one 10 ton capacity mix tank, one 15 ton use tank, and one impregnation vat. The system uses one (1) 11,300 cfm Monsanto Mist Eliminator (MME) identified as CE-01 for control, and exhausts to stack 1.

(b) One (1) Built Up Roofing (BUR) system (line no. 2) identified as EU-12, constructed in 1998, with a maximum capacity of 13,689 tons of roll roofing per hour. The system consists of one (1) saturator, or coater, where heated bitumen asphalt will be applied to continuously-fed fiberglass and one (1) sand application process which will apply sand to the surface of the roll roofing (asphalt-saturated polyester substrate). The system uses one (1) 11,300 cfm Monsanto Mist Eliminator (MME) identified as CE-08 for control, and exhausts to stack 4.

(c) One (1) mixing screw and surge tank, identified as EU-15, to be constructed, with a maximum capacity of 23,360 tons of limestone usage per year, using one (1) 11,300 cfm Monsanto Mist Eliminator (MME) identified as CE-08 for control, and exhausting to stack 4.

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

Emission Limitations and Standards

D.1.1 Particulate Matter (PM) [326 IAC 6-3-2][40 CFR 60.470 (Subpart UU)]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from line 1 operations (EU-01), line 2 operations (EU-12) and the mixer and surge tank (EU-15) shall not exceed allowable PM emission rate based on the following equation:

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

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

The process weight rate per hour of line 1 (EU-01) is 18,836. Therefore, pursuant to the table in 326 IAC 6-3-2, the particulate emissions are limited to 18.42 lbs/hour. The process weight rate per hour of line 2 (EU-12) is 13,689. Therefore, pursuant to the table in 326 IAC 6-3-2, the particulate emissions are limited to 14.87 lbs/hr. These limits are superceded by a more stringent emissions limitation pursuant to 40 CFR 60.470 Subpart UU below. See TSD Appendix A, page 9 of 9 for a direct comparison of the limits. The process weight rate per hour of the mixer and surge tank (EU-15) is 5,333 lbs/hr. Therefore, pursuant to the table in 326 IAC 6-3-2, particulate emissions are limited to 7.58 lbs/hour. There are no applicable limits on PM for the asphalt mixer and surge tank from Subpart UU. The asphalt mixer and surge tank is well under this requirement with an uncontrolled potential to emit of 3.15 tons per year.

D.1.2 Particulate Matter (PM) [326 IAC 12] [40 CFR 60.470 Subpart UU]

Pursuant to 40 CFR 60.472(a)(1)(ii), the Permittee shall not be caused to be discharged into the atmosphere (from line 1 and line 2 saturators) Particulate Matter (PM) emissions in excess of four tenths (0.4) of one kilogram of Particulate Matter (PM) per megagram of smooth surfaced roll roofing produced. Since approximately 129,068 megagrams of smooth surfaced roll roofing is produced, no more than 51.62 tons of (PM) emissions per year shall be emitted.

D.1.3 Opacity [326 IAC 12][40 CFR 60.470]

Pursuant to 40 CFR 60.472(a)(3), visible emissions from line 1 operations (EU-01), line 2 operations (EU-12) and the mixer and surge tank (EU-15) shall not be in excess of twenty percent (20%) for any period of consecutive valid observations totaling 60 minutes from the Monsanto Mist Eliminator (EU-01). Emissions from line 1 operations (EU-01) are vented to CE-01. Emissions from line 2 operations (EU-12) and the mixer and surge tank (EU-15) are vented to CE-08.

D.1.4 VOC General Reduction Requirements [326 IAC 8-1-6]

Line 2 operations (EU-12) is subject to 326 IAC 8-1-6 (New Facilities; General Reduction Requirements), because the facility will have the potential to emit 25 tons or more of VOCs per year which are not otherwise regulated by other provisions of Article 8. (Pursuant to CP 0970140-01, issued on November 17, 1997, it has been determined that, when the costs of control, the benefits of control, the resultant increase in NO_x emissions are taken into account, the BACT VOC control is no control. Uncontrolled potential to emit for line 2 has been determined to be 42.22 tons of VOC emissions per year, therefore currently to meet 8-1-6 BACT requirements, the source is limited to 42.22 tons of VOC emissions per rolling 12 consecutive month period.)

D.1.5 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan, in accordance with Section C.2 Preventive Maintenance Plan, of this permit, is required for line 1 operations (EU-01), line 2 operations (EU-12) and the mixer and surge tank (EU-15).

Compliance Determination Requirements

D.1.6 Particulate Matter (PM)

In order to comply with D.1.3, CE-01 shall be in operation and control emissions from line 1 operations (EU-01) at all times that line 1 (EU-01) is operating. CE-08 shall be in operation to control emissions from line 2 operations (EU-12) or the mixer and surge tank (EU-15) at all times that line 2 (EU12), or the mixer and surge tank (EU15) are operating.

D.1.7 Testing Requirements [326 IAC 2-1.1-11]

The Permittee is not required to test line 1 operations (EU-01) and line 2 operations (EU-12) or the mixer and surge tank (EU-15) by this permit, however IDEM and OES may require compliance testing when necessary to determine if any of the emissions units are in compliance. If testing is required by IDEM or OES, compliance with the particulate matter limit specified in Condition D.1.2 or the VOC limit specified in Condition D.1.4 shall be determined by a performance test conducted in accordance with Section C.9 - Performance Testing

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.8 Visible Emissions Notations

(a) Visible emission notations of the CE-01 stack exhausts once per week shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.1.9 Monsanto Mist Eliminator Parameter Monitoring

(a) The Permittee shall take readings of the total static pressure drop across the Monsanto Mist Eliminators (EU1 and EU8) at least once per week while in operation. Unless operated under conditions for which the Preventative Maintenance Plan specifies otherwise, the pressure drop across the Monsanto Mist Eliminators shall be maintained within the range of three (3) and twelve (12) inches of water. The Preventative Maintenance Plan for the Monsanto Mist Eliminator shall contain troubleshooting contingency and corrective actions for the Monsanto Mist Eliminator, when the pressure reading is outside of this range for any one reading.

(b) The instrument used for determining the pressure shall be subject to approval by OES and shall be calibrated at least once every six (6) months.

(c) The gauge employed to measure the pressure drop across the Monsanto Mist Eliminator or any part of the facility shall have a scale such that the expected normal reading shall be no less than 20 percent of full scale and be accurate within ± 2% of full scale reading. The instrument shall be quality assured and maintained as specified by the vendor.

(d) The permittee shall continuously monitor and record the temperature of the gas at the inlet of the mist eliminator. The temperature monitoring instrument shall have an accuracy of +/- 15^{0}C over its range.

(e) An inspection shall be performed each calendar quarter of the Monsanto Mist Eliminator. A defective Monsanto Mist Eliminator shall be repaired. A record shall be kept of the results of the inspection and the number of Monsanto Mist Eliminator repairs.

(f) In the event that the Monsanto Mist Eliminator's failure has been observed, based upon the findings of the inspection, any additional corrective actions will be devised within eight (8) hours of discovery and will include a timetable for completion.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.10 Record Keeping Requirements

(a) To document compliance with Condition D.1.4, the Permittee shall maintain records of VOC usage .

(b) To document compliance with Condition D.1.8, the Permittee shall maintain records of weekly visible emission notations of the stack exhaust from CE-01

(b) To document compliance with Condition D.1.9, the Permittee shall maintain timely records of all parameters required by Condition D.1.9.

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

D.1.11 Reporting Requirements

(a) Quarterly summaries of the information to document compliance with Condition D.1.4 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.

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Facility Description:

(d) One (1) 100 ton storage silo for calcium carbonate filler material, identified as EU-02, constructed in 1990. Control equipment consists of one (1) Whirl Airflow dust collector identified as CE-04 for control, and exhausts to stack 2.

(e) One (1) 50-ton capacity sand storage silo, identified as EU-07, handling 78,465 tons of sand per year, constructed in 1994. The silo is equipped with an Ultra Industries baghouse identified as CE-07 for control, and exhausts to stack 7.

(f) One (1) limestone receiving bin, identified as EU-14, to be constructed, with a maximum capacity of 23,360 tons of limestone usage per year, using one (1) Whirl Airflow 600 cfm dust collector identified as CE-02 for control, and exhausting to stack 5.

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

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

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from operation of the calcium carbonate storage silo (EU-02), the sand storage silo (EU-07) and the limestone receiving bin (EU-14) shall not exceed allowable PM emission rate based on the following equations:

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

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

The process weight rate per hour for the calcium carbonate silo (EU-02) is 5,333 lbs/hr. Therefore, pursuant to the table in 326 IAC 6-3-2, particulate emissions are limited to 7.58 lbs/hour. The process weight rate per hour for the sand silo (EU-07) is 15,585 lbs/hr. Therefore, pursuant to the table in 326 IAC 6-3-2, particulate emissions are limited to 16.22 lbs/hour. The process weight rate per hour for the limestone receiving bin (EU-14) is 3,560 lbs/hr. Therefore, pursuant to the table in 326 IAC 6-3-2, particulate emissions are limited to 6.03 lbs/hour.

D.2.2 Opacity [326 IAC 12] [40 CFR 60.470 Subpart UU]

Pursuant to 40 CFR 60.472(d), within 60 days after achieving the maximum production rate at which this facility will be operated, but not later than 180 days after initial startup of this facility, no owner or operator shall cause emissions with greater than one percent (1%) opacity.

D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.2.4 Particulate Matter (PM)

in order to comply with D.2.1 and D.2.2, the dust collector shall be in operation and control emissions from the lime receiving bin at all times that the lime receiving bin (EU-11) is in operation.

D.2.5 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing when necessary to determine if the facility is in compliance. If testing is required by IDEM or OES, compliance with the PM limit specified in Condition D.2.1 and D.2.2 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Compliance Monitoring Requirements

D.2.6 Visible Emission Notation [326 IAC 12][40 CFR 60.472(d)]

(a) Weekly visible emission notations of the CE-04, CE-07, and CE-06 exhaust stacks for this facility shall be performed 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 Preventive Maintenance Plan for this unit shall contain troubleshooting contingency and corrective actions for when an abnormal emission is observed.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.2.7 Record Keeping Requirements

(a) To document compliance with Condition D.2.6, the Permittee shall maintain records of weekly visible emission notations of the stack exhaust from CE-04, CE-07, and CE-06.

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Facility Description:

(g) One (1) Heatec Thermal Fluid Heater - natural gas fired, identified as EU-13, installed in 1989, with a capacity of 6 million Btu per hour, using no controls, and venting to Stack 13.

(h) One (1) Heatec Thermal Fluid Heater - natural gas fired, identified as EU-03, installed in 1989, with a capacity of 6 million Btu per hour, using no controls, and venting to Stack 3.

(i) One (1) Inferno Therm Polyolefin (APP) Heater - natural gas fired, identified as EU-08, installed in 1989, with a capacity of 0.8 million Btu per hour, using no controls, and venting to Stack 8.

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

Emission Limitations and Standards

D.3.1 Particulate Matter (PM) [326 IAC 6-2-4]

326 IAC 6-2-4 applies to the 6 MMBtu/ hr thermal fluid heater (EU-03)and the 6 MMBtu/hr natural gas-fired Heatec Asphalt Heater and Storage Tank (EU-13).

This limitation is based on the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

Where:

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

The value of Q for this facility is 12, therefore this facility is limited to 0.57 pounds of particulate matter per million Btu input.

Compliance Determination Requirements

D.3.2 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing when necessary to determine if the facility is in compliance. If testing is required by IDEM or OES, compliance with the PM limit specified in Condition D.3.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

Facility Description:

(j) Two (2) 3,470 cubic foot (98.25 cubic meter) asphalt storage tanks, installed in 1990, using one (1) 11,300 cfm Monsanto Mist Eliminator (MME) identified as CE-01 for control, and exhausting to stack 1.

(k) One (1) 3,470 cubic foot (98.25 cubic meter) oxidized asphalt storage tank, installed in 1998, using one (1) 11,300 cfm Monsanto Mist Eliminator (MME) identified as CE-08 for control, and exhausting to stack 4.

(l) One (1) 3,370 cubic foot (95.41 cubic meter) liquid polypropylene storage tank, installed in 1990, using no controls, and exhausting to the atmosphere.

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

Emission Limitations and Standards

D.4.1 Opacity [326 IAC 12][40 CFR 60.470 Subpart UU]

Pursuant to 40 CFR 60.472(c), within 60 days after achieving the maximum production rate at which this facility will be operated, but not later than 180 days after initial startup of this facility no owner or operator shall cause emissions with greater than zero percent (0%) opacity from the three asphalt storage tanks, except for one consecutive 15 minute period in any 24 hour period for each tank when the transfer lines are being blown for clearing. If, however, the emissions from any asphalt storage tank(s) are ducted to a control device for a saturator the combined emissions shall meet 20% opacity from the control device, pursuant to 40 CFR 60.472(a). Since this is the case for all asphalt storage tanks (CE-01 for the asphalt storage tanks, CE-08 for the oxidized asphalt storage tank) , 0% opacity shall not apply to this facility unless the control equipment is not in operation.

Compliance Determination

D.4.2 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing when necessary to determine if the facility is in compliance. If testing is required by IDEM or OES, compliance with the PM limit specified in Condition D.4.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.4.3 Record Keeping Requirement [326 IAC 12][40 CFR 60.116b]

Pursuant to the New Source Performance Standard 40 CFR Part 60.116b Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction or Modification Commenced after July 23, 1984, the Permittee shall keep readily accessible records showing the dimension or tank capacities of these tanks. These records shall be kept for the life of the source.

D.4.4 Reporting Requirement [326 IAC 12][40 CFR 60.116b]

Pursuant to the New Source Performance Standard 40 CFR Part 60.116b Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction,

Reconstruction or Modification Commenced after July 23, 1984, the Permittee shall notify IDEM, OAQ and OES within thirty (30) days when the maximum true vapor pressure of the liquid being stored in any tank exceeds 27.6 kiloPascals (kPa). Available data on the maximum true vapor pressure of the liquid being stored shall be in accordance with 40 CFR Part 60.116b(e). The report submitted by the Permittee requires the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

SECTION D.5 EMISSIONS UNIT OPERATION CONDITIONS

Facility Description:

(m) One (1) American Process Bag breaker with a maximum capacity of 400 pounds per hour of talc, sand and other surfacing agents, using no control and exhausting inside the building.

(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 2-7-5(1)]

D.5.1 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from operation of the American Process Talc Bag breaker and the American Process Talc bag compactor shall not exceed allowable PM emission rate based on the following equations:

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

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

The process weight rate per hour for the American Process Talc Bag breaker is approximately 400 pounds per hour of talc, sand and other surfacing agents. Therefore, PM emissions shall not exceed 3.75 lbs per hour.

D.5.2 Opacity [326 IAC 12] [40 CFR 60.470 Subpart UU]

Pursuant to 40 CFR 60.472(d), within 60 days after achieving the maximum production rate at which this facility will be operated, but not later than 180 days after initial startup of this facility, no owner or operator shall cause emissions with greater than one percent (1%) opacity.

D.5.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.5.4 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing when necessary to determine if the facility is in compliance. If testing is required by IDEM or OES, compliance with the PM limit specified in Condition D.2.1 and D.2.2 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Compliance Monitoring Requirements

D.5.5 Visible Emission Notation [326 IAC 12][40 CFR 60.472(d)]

(a) Weekly visible emission notations of the vents for this facility shall be performed during normal daylight operations whenever exhaust is being directed outside of the building. 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 Preventive Maintenance Plan for this unit shall contain troubleshooting contingency and corrective actions for when an abnormal emission is observed.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.5.6 Record Keeping Requirements

(a) To document compliance with Condition D.5.5, the Permittee shall maintain records of weekly visible emission notations of the vents for this facility.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Office of Air Quality
COMPLIANCE DATA SECTION
and
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
AIR QUALITY MANAGEMENT SECTION
DATA COMPLIANCE
MSOP Quarterly Report

Source Name: Firestone Building Products
Source Address: Firestone Building Products
3525 South Arlington, Indianapolis, Indiana 46203
Mailing Address: Firestone Building Products
3525 South Arlington, Indianapolis, Indiana 46203
MSOP Permit No.: MSOP 097-12488-00140
Facility: Line 2 (Including Asphalt Mixer and Surge Tank
Parameter: VOC Emissions
Limit: 42.22 tons of VOC per rolling 12 month period
(To determine tons VOC emissions, multiply tons of asphalt used by 0.31 lbs VOC/ton of asphalt used and divide by 2000 lbs/ton.)

QUARTER_____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
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
AIR QUALITY MANAGEMENT SECTION
DATA COMPLIANCE

MINOR SOURCE OPERATING PERMIT
QUARTERLY COMPLIANCE MONITORING REPORT

Source Name: Firestone Building Products
Source Address: 3525 South Arlington, Indianapolis, Indiana 46203
Mailing Address: 3525 South Arlington, Indianapolis, Indiana 46203
MSOP No.: 097-12488-00140

Months: _____ to _____ Year: _____

This report is an affirmation that the source has met all the compliance monitoring requirements stated in this permit. This report shall be submitted quarterly. Any deviation from the compliance monitoring requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.

Compliance Monitoring Requirement (e.g. Permit Condition D.1.3)	**Number of Deviations**	**Date of each Deviation**

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
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES

MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

Company Name:	**Firestone Building Products**
Address:	**3525 South Arlington**
City:	**Indianapolis, Indiana**
Phone #:	**317-784-1161**
MSOP #:	**MSOP 097-12488-00140**

I hereby certify that Firestone Building Products is still in operation.
no longer in operation.

I hereby certify that Firestone Building Products is:
in compliance with the requirements of MSOP 097-20139-00140.
not in compliance with the requirements of MSOP 097-20139-00140.

Authorized Individual (typed):
Title:
Signature:
Date:

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

Noncompliance:

MALFUNCTION REPORT

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
FAX NUMBER - 317 233-5967

This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ?_____, 25 TONS/YEAR SULFUR DIOXIDE ?_____, 25 TONS/YEAR NITROGEN OXIDES?_____, 25 TONS/YEAR VOC ?_____, 25 TONS/YEAR HYDROGEN SULFIDE ?_____, 25 TONS/YEAR TOTAL REDUCED SULFUR ?_____, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ?_____, 25 TONS/YEAR FLUORIDES ?_____, 100TONS/YEAR CARBON MONOXIDE ?_____, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?_____, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?_____, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?_____, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?_____. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION _____.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC _____ OR, PERMIT CONDITION # _____ AND/OR PERMIT LIMIT OF _____

THIS INCIDENT MEETS THE DEFINITION OF 'MALFUNCTION' AS LISTED ON REVERSE SIDE ? Y N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ? Y N

COMPANY:_____PHONE NO. ( )_____
LOCATION: (CITY AND COUNTY)_____
PERMIT NO. _____ AFS PLANT ID: _____ AFS POINT ID: _____ INSP:_____
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND
REASON:_____
_____

DATE/TIME MALFUNCTION STARTED: _____/_____/ 20____ _____ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION:
_____

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE_____/_____/ 20____ _____ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER:_____

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____

_____

MEASURES TAKEN TO MINIMIZE EMISSIONS:_____

_____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL* SERVICES:_____
CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS:_____
CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT:_____
INTERIM CONTROL MEASURES: (IF APPLICABLE)_____
_____
_____

MALFUNCTION REPORTED BY:_____TITLE:_____
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY:_____DATE:_____TIME:_____

*SEE PAGE 2

Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

326 IAC 1-6-1 Applicability of rule

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

326 IAC 1-2-39 "Malfunction" definition

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

***Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

_____

_____