



Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

June 8, 2004

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

TO: Interested Parties / Applicant
RE: Unifrax Corporation / 141-19040-00029
FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

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 eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER-AM.dot 9/16/03



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
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June 8, 2004

Mr. Tom Lord, Plant Manager
Unifrax Corporation
54401 Smilax Road
New Carlisle, IN 46552-9751

Re: **141-19040-00029**
First Administrative Amendment to
Part 70 Permit No.141-7925-00029

Dear Mr. Lord:

Unifrax Corporation was issued a Part 70 permit on September 18, 2001, for a high heat insulating materials manufacturing source. A letter was received on April 5, 2004, requesting an administrative amendment to change the Responsible Official and that the emission statement condition be revised to incorporate the revisions to 326 IAC 2-6 (Emission Reporting) which became effective on March 27, 2004. The Permittee is no longer required to submit an annual emission statement. Instead, the emission statement will be due every three years according to the compliance schedule specified in 326 IAC 2-6-3. The changes are as follows with deleted language as ~~strikeouts~~ and new language **bolded**. Pursuant to the provisions of 326 IAC 2-7-11 the permit is hereby administratively amended as follows:

The Responsible Official has been changed in Section A.1. Because of potential future changes in personnel and to avoid excessive administrative permit amendments, only job titles are being listed.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates a stationary high-heat insulating materials manufacturing source.

Responsible Official:	Casey Sobchak Plant Manager
Source Address:	54401 Smilax Road, New Carlisle, Indiana 46552
Mailing Address:	54401 Smilax Road, New Carlisle, Indiana 46552
Phone Number:	219-654-7133
SIC Code:	3299
County Location:	St. Joseph
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD Rules; Minor Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

The Plant Manager position has been designated the Responsible Official replacing Casey Sobchak. This position meets the requirements under 326 IAC 2-7-1(34)(A)(vi) as a Responsible Official.

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

- ~~(a) — The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by April 15 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement shall meet the following requirements:~~
- ~~(1) — Indicate actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);~~
 - ~~(2) Indicate actual emissions of other regulated pollutants (as defined by 326 IAC 2-7-1) from the source, for purposes of Part 70 fee assessment.~~
- (a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2004 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:**
- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);**
 - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) (“Regulated pollutant, which is used only for purposes of Section 19 of this rule”) from the source for purpose of fee assessment.**
- ~~(b) — The annual emission statement covers the twelve (12) consecutive month time period starting December 1 and ending November 30. The annual emission statement must be submitted to:~~
- Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015
- The emission statement does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).
- ~~(e)~~ **b** The annual emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

All other conditions of the permit shall remain unchanged and in effect. Please find enclosed the revised Title V Operating permit.

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 Janet Mobley at 317-232-8369 or at 1-800 451-6027 extension 2-8369.

Sincerely,
Original signed by Paul Dubenetzky

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

PD/jm

cc: File - St. Joseph County
St. Joseph County Health Department
Air Compliance Section Inspector – Rick Reynolds
Compliance Data Section
IDEM Northern Regional Office
Permit Review Section II- Janet Mobley

PART 70 OPERATING PERMIT OFFICE OF AIR QUALITY

**Unifrax Corporation, New Carlisle Facility
54401 Smilax Road
New Carlisle, Indiana 46552**

(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.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T 141-7925-00029	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: September 18, 2001 Expiration Date: September 18, 2006

First Administrative Amendment No.: 141-19040-00029	Conditions Affected: Condition A.1 and C.19 Revised
Issued by: Original signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: June 8, 2004

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SECTION A SOURCE SUMMARY

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

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates a stationary high-heat insulating materials manufacturing source.

Responsible Official:	Plant Manager
Source Address:	54401 Smilax Road, New Carlisle, Indiana 46552
Mailing Address:	54401 Smilax Road, New Carlisle, Indiana 46552
Phone Number:	219-654-7133
SIC Code:	3299
County Location:	St. Joseph
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD Rules; Minor Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

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

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

- (a) One (1) Raw Material Handling System consisting of:
- (1) One (1) No. 4 Sand Silo, equipped with a baghouse identified as No. 4 Sand Silo Baghouse, constructed in 1978, capacity: 0.89 tons per hour.
 - (2) One (1) No. 3 Alumina Silo, equipped with a baghouse identified as No. 3 Alumina Silo Baghouse, constructed in 1978, capacity: 0.89 tons per hour.
 - (3) One (1) No. 1 Kaolin Silo, equipped with a baghouse identified as No. 1 Kaolin Silo Baghouse, constructed in 1978, capacity: 0.89 tons per hour.
 - (4) One (1) No. 2 Kaolin Silo, equipped with a baghouse identified as No. 2 Kaolin Silo Baghouse, constructed in 1978, capacity: 0.89 tons per hour.
 - (5) One (1) No. 5 Zircon Silo, equipped with a baghouse identified as No. 5 Zircon Silo Baghouse, constructed in 1985, capacity: 0.89 tons per hour.
 - (6) One (1) No. 6 H.G. Alumina Silo, equipped with a baghouse identified as No. 6 H.G. Alumina Silo Baghouse, constructed in 1986, capacity: 0.89 tons per hour.
 - (7) One (1) Alumina Transporter, equipped with a baghouse identified as Alumina Transporter Venting Baghouse, constructed in 1978, capacity: 0.89 tons per hour.
 - (8) One (1) No. 1 Day Bin Kaolin, equipped with a baghouse identified as No. 1 Day Bin Kaolin Bin Venting Baghouse, constructed in 1988, capacity: 0.89 tons per hour.
 - (9) One (1) No. 2 Day Bin Alumina, equipped with a baghouse identified as No. 2 Day Bin Alumina Bin Venting Baghouse, constructed in 1988, capacity: 0.89 tons per hour.

hour.

- (10) One (1) No. 3 Day Bin Sand, equipped with a baghouse identified as No. 3 Day Bin Sand Bin Venting Baghouse, constructed in 1988, capacity: 0.89 tons per hour.
- (b) One (1) Tilt Furnace Process consisting of:
- (1) One (1) Tilt Furnace Mix Feed Bin 1, equipped with a baghouse identified as Tilt Furnace Mix Feed Bins 1 & 2 Baghouse, constructed in 1985, capacity: 0.925 tons per hour.
 - (2) One (1) Tilt Furnace Mix Feed Bin 2, equipped with a baghouse identified as Tilt Furnace Mix Feed Bins 1 & 2 Baghouse, constructed in 1985, capacity: 0.925 tons per hour.
 - (3) One (1) Tilt Furnace Mix Feed Bin 3, equipped with a baghouse identified as Tilt Furnace Mix Feed Bin 3 Baghouse, constructed in 1985, capacity: 0.925 tons per hour.
 - (4) One (1) Tilt Furnace, equipped with a baghouse identified as Tilt Fume Collector Baghouse, constructed in 1986, capacity: 0.925 tons per hour.
 - (5) One (1) Tilt Furnace Cyclone, equipped with a baghouse identified as Tilt Furnace HSA Baghouse, constructed in 1985, capacity: 0.925 tons per hour.
 - (6) One (1) Tilt Furnace Bulk Bagger, equipped with a baghouse identified as Tilt Furnace HSA Baghouse, constructed in 1985, capacity: 0.925 tons per hour.
 - (7) One (1) Tilt Furnace Attrition Mill, equipped with a baghouse identified as Tilt Furnace HSA Baghouse, constructed in 1985, capacity: 0.925 tons per hour.
- (c) One (1) Submerged Electric Furnace I (SEF I) Process consisting of:
- (1) One (1) SEF I Mix Feed Bin, equipped with a baghouse identified as SEF I Mix Feed Bin Venting Baghouse, constructed in 1988, capacity: 0.675 tons per hour.
 - (2) One (1) SEF I Furnace, equipped with a baghouse identified as SEF I Furnace Baghouse, constructed in 1986, capacity: 0.675 tons per hour.
 - (3) One (1) SEF I Collector, equipped with a baghouse identified as SEF I Collector Baghouse, constructed in 1991, capacity: 0.675 tons per hour.
 - (4) One (1) SEF I Bulk Bagger, equipped with a baghouse identified as SEF I Downline Baghouse, constructed in 1985, capacity: 0.675 tons per hour.
- (d) One (1) Submerged Electric Furnace II (SEF II) Process consisting of:
- (1) One (1) SEF II Mix Feed Bin 1, equipped with a baghouse identified as SEF II Mix Feed Bin 1 Bin Venting Baghouse, constructed in 1988, capacity: 1.4 tons per hour.
 - (2) One (1) SEF II Mix Feed Bin 2, equipped with a baghouse identified as SEF II Mix Feed Bin 2 Bin Venting Baghouse, constructed in 1988, capacity: 1.4 tons per hour.
 - (3) One (1) SEF II Furnace, equipped with a baghouse identified as SEF II Furnace

Baghouse, constructed in 1988, capacity: 1.4 tons per hour.

- (4) One (1) SEF II Packaging Equipment, equipped with a baghouse identified as SEF II Downline Baghouse, constructed between 1988 and 1990, capacity: 1.4 tons per hour.
 - (5) One (1) SEF II Cyclone, equipped with a baghouse identified as SEF II Cyclone Baghouse, constructed in 1996, capacity: 1.4 tons per hour.
 - (6) One (1) SEF II Collector, equipped with a baghouse identified as SEF II Collector Baghouse, constructed in 1996, capacity: 1.4 tons per hour.
- (e) One (1) Submerged Electric Furnace III (SEF III) Process consisting of:
- (1) One (1) SEF III Mix Feed Bin 1, equipped with a baghouse identified as SEF III Mix Feed Bin 1 Bin Venting Baghouse, constructed in 1985, capacity: 1.4 tons per hour.
 - (2) One (1) SEF III Mix Feed Bin 2, equipped with a baghouse identified as SEF III Mix Feed Bin 2 Bin Venting Baghouse, constructed in 1985, capacity: 1.4 tons per hour.
 - (3) One (1) SEF III Slag Reclaim Bin, equipped with a baghouse identified as SEF III Slag Reclaim Bin Venting Baghouse, constructed in 1985, capacity: 1.4 tons per hour.
 - (4) One (1) SEF III Furnace, equipped with a baghouse identified as SEF III Furnace Baghouse, constructed in 1986, capacity: 1.4 tons per hour.
 - (5) One (1) SEF III Collector, equipped with a baghouse identified as SEF III Collector Baghouse, constructed in 1985, capacity: 1.4 tons per hour.
 - (6) One (1) SEF III Needler, equipped with a baghouse identified as SEF III Downline Baghouse, constructed in 1985, capacity: 1.4 tons per hour.
 - (7) One (1) SEF III Wet Slitter, equipped with a baghouse identified as SEF III Downline Baghouse, constructed in 1985, capacity: 1.4 tons per hour.
 - (8) One (1) SEF III Roll-up Machine, equipped with a baghouse identified as SEF III Downline Baghouse, constructed in 1985, capacity: 1.4 tons per hour.
 - (9) One (1) SEF III Guillotine, equipped with a baghouse identified as SEF III Downline Baghouse, constructed in 1985, capacity: 1.4 tons per hour.
 - (10) One (1) SEF III Attrition Mill, equipped with a baghouse identified as SEF III Downline Baghouse, constructed in 1985, capacity: 1.4 tons per hour.
- (f) One (1) Submerged Electric Furnace IV (SEF IV) Process consisting of:
- (1) One (1) SEF IV Mix Feed Bin 1, equipped with a baghouse identified as SEF IV Mix Feed Bin 1 Bin Venting Baghouse, constructed in 1997, capacity: 0.95 tons per hour.
 - (2) One (1) SEF IV Mix Feed Bin 2, equipped with a baghouse identified as SEF IV Mix Feed Bin 2 Bin Venting Baghouse, constructed in 1997, capacity: 0.95 tons per hour.

- (3) One (1) SEF IV Furnace, equipped with a baghouse identified as SEF IV Furnace Baghouse, constructed in 1997, capacity: 0.95 tons per hour.
- (4) One (1) SEF IV Attrition Mill, equipped with a baghouse identified as SEF IV Down-line Baghouse, constructed in 1997, capacity: 0.95 tons per hour.
- (5) One (1) SEF IV Cyclone & Bulk Bagger, equipped with a baghouse identified as SEF IV Downline Baghouse, constructed in 1997, capacity: 0.95 tons per hour.
- (g) One (1) Vacuum Casting Process consisting of:
 - (1) One (1) Vacuum Cast Mix Tank 1, equipped with a baghouse identified as Vacuum Cast Mix Tanks Baghouse, constructed in 1982, capacity: 1 ton per hour.
 - (2) One (1) Vacuum Cast Mix Tank 2, equipped with a baghouse identified as Vacuum Cast Mix Tanks Baghouse, constructed in 1982, capacity: 1 ton per hour.
 - (3) One (1) Vacuum Cast Board Sander, equipped with a baghouse identified as Vacuum Cast Board Sander Baghouse, constructed in 1978, capacity: 1 ton per hour.
 - (4) One (1) Vacuum Cast Board Saw System, equipped with a baghouse identified as Vacuum Cast Board Saw System Baghouse, constructed in 1996, capacity: 1 ton per hour.
- (h) One (1) Fabricated Products Area consisting of:
 - (1) One (1) Fabricated Products Area consisting of folding, banding, and module-making machines, equipped with a baghouse identified as Fabricated Products Area Equipment Baghouse 1, constructed in 1981, capacity: 2 tons per hour.
 - (2) One (1) Fabricated Products Area consisting of a v-blender, ball mill, and high-temperature caulk fabrication, equipped with a baghouse identified as Fabricated Products Area Equipment Baghouse 2, constructed in 1981, capacity: 2 tons per hour.
 - (3) One (1) Fabrication Area Vacuum System, equipped with a baghouse identified as Fabrication Area Vacuum System Baghouse, constructed in 1981, capacity: 1 ton per hour.
- (i) One (1) Warehouse Blow-off Booth with particulate emissions controlled by a Warehouse Blow-off Booth filter, constructed in 1981, capacity: 1 ton per hour.
- (j) One (1) ODB Bagger, equipped with a baghouse identified as ODB Baghouse, constructed in 1981, capacity: 0.25 tons per hour.
- (k) The following facilities at the Raw Material Handling System:
 - (1) One (1) Common Blender Transporter, constructed in 1990, equipped with a baghouse identified as Common Blender Transporter Venting Baghouse, capacity: 0.89 tons per hour.
 - (2) One (1) No. 4 Day Bin H.G. Alumina, constructed in 1990, equipped with a baghouse identified as No. 4 Day Bin H.G. Alumina Bin Venting Baghouse, capacity: 0.89 tons per hour.

- (3) One (1) No. 5 Day Bin Zircon, constructed in 1990, equipped with a baghouse identified as No. 5 Day Bin Zircon Bin Venting Baghouse, capacity: 0.89 tons per hour.
 - (4) One (1) No. 6 Day Bin Test Material, constructed in 1990, equipped with a baghouse identified as No. 6 Day Bin Test Material Bin Venting Baghouse, capacity: 0.89 tons per hour.
 - (5) One (1) Bad Batch Bin, constructed in 1990, equipped with a baghouse identified as Bad Batch Bin Bin Venting Baghouse, capacity: 0.89 tons per hour.
 - (6) One (1) SEF I, SEF IV, Tilt Blender Transporter, constructed in 1997, equipped with a baghouse identified as SEF I, SEF IV, Tilt Blender Transporter Baghouse, capacity: 0.89 tons per hour.
 - (7) One (1) SEF II, SEF III Blender Transporter, constructed in 1997, equipped with a baghouse identified as SEF II, SEF III Blender Transporter Baghouse, capacity: 0.89 tons per hour.
- (l) The following facility at the Tilt Furnace Process:
- One (1) Tilt Furnace Conveyor, constructed in 1994, equipped with a baghouse identified as Tilt Furnace HSA Baghouse, capacity: 0.925 tons per hour.
- (m) The following facilities at the Submerged Electric Furnace I (SEF I) Process:
- (1) One (1) SEF I Conveyor System, constructed in 1988, equipped with a baghouse identified as SEF I Downline Baghouse, capacity: 0.675 tons per hour.
 - (2) One (1) SEF I Attrition Mill, constructed in 1988, equipped with a baghouse identified as SEF I Downline Baghouse, capacity: 0.675 tons per hour.
 - (3) One (1) SEF I Picker, constructed in 1988, equipped with a baghouse identified as SEF I Downline Baghouse, capacity: 0.675 tons per hour.
- (n) The following facility at the Submerged Electric Furnace II (SEF II) Process:
- One (1) SEF II Attrition Mill, constructed in 1997, equipped with a baghouse identified as SEF II Downline Baghouse, capacity: 1.4 tons per hour.
- (o) The following facilities at the Submerged Electric Furnace III (SEF III) Process:
- (1) One (1) SEF III Conveyor System, constructed in 1985, equipped with a baghouse identified as SEF III Downline Baghouse, capacity: 1.4 tons per hour.
 - (2) One (1) SEF III Bulk Bagger, constructed in 1985, equipped with a baghouse identified as SEF III Downline Baghouse, capacity: 1.4 tons per hour.
- (p) The following facilities at the Fabricated Products Area:
- (1) One (1) Fabricated Products Area Band Saw System, constructed in 1981, equipped with a baghouse identified as Fabricated Products Area Band Saw System Baghouse, capacity: 1 ton per hour.

- (2) One (1) Fabrication Area Blow-off booth, constructed in 1986, equipped with a filter identified as Fabrication area Blow-off Booth Filter, capacity: 1 ton per hour.

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

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

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour:

One (1) Tilt Furnace Boiler, capacity: 7 million British thermal units per hour.

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

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

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

SECTION B GENERAL CONDITIONS

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

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

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

This permit is issued for a fixed term of five (5) years from the original date, 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.3 Enforceability [326 IAC 2-7-7]

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

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

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

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

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

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

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

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

(a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

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

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

(b) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit 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. [326 IAC 2-7-5(6)(E)]

(c) The Permittee may include a claim of confidentiality in accordance with 326 IAC 17. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]

-
- (a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit constitutes a violation of the Clean Air Act and is grounds for:
- (1) Enforcement action;
 - (2) Permit termination, revocation and reissuance, or modification; or
 - (3) Denial of a permit renewal application.
- (b) 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.
- (c) An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in condition B, Emergency Provisions.

B.9 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]

-
- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.
- (c) A responsible official is defined at 326 IAC 2-7-1(34).

B.10 Annual Compliance Certification [326 IAC 2-7-6(5)]

-
- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. 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 Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

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

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted

by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ, may require to determine the compliance status of the source.

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

**B.11 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)]
[326 IAC 1-6-3]**

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days 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

The PMP and the PMP extension notification do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The Permittee shall implement the PMPs as necessary to ensure that failure to implement a PMP does not cause or contribute to a violation of any limitation on emissions or potential to emit.
- (c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or contributes to any violation. The PMP does not require the certification by the "responsible official" as

defined by 326 IAC 2-7-1(34).

- (d) Records of preventive maintenance shall be retained for a period of at least five (5) years. These records shall be kept at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

B.12 Emergency Provisions [326 IAC 2-7-16]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-7-16.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

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

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or

Telephone Number: 317-233-5674 (ask for Compliance Section)

Facsimile Number: 317-233-5967

Northern Regional Office

Telephone Number: 219-245-4870

Facsimile Number: 219-245-4877

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

Indiana Department of Environmental Management

Compliance Branch, Office of Air Quality

100 North Senate Avenue, P. O. Box 6015

Indianapolis, Indiana 46206-6015

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

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

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

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4-(c)(10) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
- (g) 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 materials of substantial economic value.

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

B.13 Permit Shield [326 IAC 2-7-15] [326 IAC 2-7-20] [326 IAC 2-7-12]

- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

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

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

B.14 Multiple Exceedances [326 IAC 2-7-5(1)(E)]

Any exceedance of a permit limitation or condition contained in this permit, which occurs contemporaneously with an exceedance of an associated surrogate or operating parameter established to detect or assure compliance with that limit or condition, both arising out of the same act or occurrence, shall constitute a single potential violation of this permit.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

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

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

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. 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.

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

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit 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) Failure to implement elements of the Preventive Maintenance Plan unless such failure has caused or contributed to a deviation.

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

Emergencies shall be included in the Quarterly Deviation and Compliance Monitoring Report.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:
- (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may

provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.17 Permit Renewal [326 IAC 2-7-4]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

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

- (b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]

- (1) A timely renewal application is one that is:

- (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
- (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

- (2) If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

- (c) Right to Operate After Application for Renewal [326 IAC 2-7-3]

If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.

- (d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]

If IDEM, OAQ, fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.

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

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

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

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

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

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

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

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

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

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
 - (3) The changes do not result in emissions which exceed the 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

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

in advance of the change by written notification at least ten (10) days in advance

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 2-7-20 (b), (c), or (e) and makes such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-7-20(b), (c)(1), and (e)(2).

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade 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 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

B.21 Source Modification Requirement [326 IAC 2-7-10.5]

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

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

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

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy any records that must be kept under the conditions of this permit;
- (c) Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

- (d) Sample or monitor 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.

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

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-0425 (ask for OAQ, Technical Support and Modeling Section), to determine the appropriate permit fee.

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

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

- C.1 Particulate Matter Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds Per Hour [326 IAC 6-3-2(c)]
Pursuant to 326 IAC 6-3-2(c), the allowable particulate matter emissions rate 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.
- C.2 Opacity [326 IAC 5-1]
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]
The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.
- C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]
The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2. 326 IAC 9-1-2 is not federally enforceable.
- C.5 Fugitive Dust Emissions [326 IAC 6-4]
The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.
- C.6 Operation of Equipment [326 IAC 2-7-6(6)]
Except as otherwise provided 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 units vented to the control equipment are in operation.
- C.7 Stack Height [326 IAC 1-7]
The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61.140]

- (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

The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4, 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) **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 that the inspector be accredited is federally enforceable.

Testing Requirements [326 IAC 2-7-6(1)]

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

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

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

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

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

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ, within 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, a reasonable written explanation within five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

C.11 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

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

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

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

The notification which shall be submitted by the Permittee does require the certification by the

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

Compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

C.12 Maintenance of Emission Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

- (a) In the event that a breakdown of the emission monitoring equipment occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem. To the extent practicable, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less frequent than required in Section D of this permit until such time as the monitoring equipment is back in operation. In the case of continuous monitoring, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less than one (1) hour until such time as the continuous monitor is back in operation.
- (b) The Permittee shall install, calibrate, quality assure, maintain, and operate all necessary monitors and related equipment. In addition, prompt corrective action shall be initiated whenever indicated.

C.13 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.14 Pressure Gauge Specifications

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 be a magnehelic gauge and will have a scale that reads not less than 0.2 pounds water pressure per marking, or 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.

Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]

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
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

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

The ERP does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

- (c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.16 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]

If a regulated substance, subject to 40 CFR 68, is present at a source in more than a threshold quantity, 40 CFR 68 is an applicable requirement and the Permittee shall submit:

- (a) A compliance schedule for meeting the requirements of 40 CFR 68 by the date provided in 40 CFR 68.10(a); or
- (b) As a part of the annual compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP); and
- (c) A verification to IDEM, OAQ, that a RMP or a revised plan was prepared and submitted as required by 40 CFR 68.

All documents submitted pursuant to this condition shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

C.17 Compliance Monitoring Plan - Failure to Take Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]

- (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. The compliance monitoring plan can be either an entirely new document, consist in whole information contained in other documents, or consist of a combination of new information and information contained in other documents. If the compliance monitoring plan incorporates by reference information contained in other documents, the Permittee shall identify as part of the compliance monitoring plan the documents in which the information is found. The elements of the compliance monitoring plan are:
 - (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 (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, upon request and shall be subject to review and approval by IDEM, OAQ. 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) Reasonable response steps that may 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 reasonable 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, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition. Failure to take reasonable response steps shall constitute a violation of the permit.
- (c) Upon investigation of a compliance monitoring excursion, the Permittee is excused from taking further response steps for any of the following reasons:
- (1) A false reading occurs due to the malfunction of the monitoring equipment. 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 or is returning 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. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- (e) All monitoring required in Section D shall be performed at all times the equipment is operating. If monitoring is required by Section D and the equipment is not operating, then the Permittee may record the fact that the equipment is not operating or perform the required monitoring.
- (f) If for reasons beyond its control, the Permittee fails to perform the monitoring and record keeping as required by Section D, then the reasons for this must be recorded.
- (1) At its discretion, IDEM may excuse such failure providing adequate justification is documented and such failures do not exceed five percent of the operating time in any quarter.
 - (2) Temporary, unscheduled unavailability of qualified staff shall be considered a valid reason for failure to perform the monitoring or record keeping requirements in Section D.

C.18 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate 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 excess emissions from the affected facility while the corrective actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120)

days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The documents submitted pursuant to this condition do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

- (a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2004 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
- (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant", which is used only for purposes of Section 19 of this rule") from the source for purpose of fee assessment.

The statement must be submitted to:

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

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

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

C.20 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

- (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. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

- (b) 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.
- (d) All record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.21 General Reporting Requirements [326 IAC 2-7-5(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 "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:
- Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, any quarterly or semi-annual report required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. The reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) 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. Reporting periods are based on calendar years.

Stratospheric Ozone Protection

C.22 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 2-7-5(15)]:

- (a) One (1) Raw Material Handling System consisting of:
- (1) One (1) No. 4 Sand Silo, equipped with a baghouse identified as No. 4 Sand Silo Baghouse, constructed in 1978, capacity: 0.89 tons per hour.
 - (2) One (1) No. 3 Alumina Silo, equipped with a baghouse identified as No. 3 Alumina Silo Baghouse, constructed in 1978, capacity: 0.89 tons per hour.
 - (3) One (1) No. 1 Kaolin Silo, equipped with a baghouse identified as No. 1 Kaolin Silo Baghouse, constructed in 1978, capacity: 0.89 tons per hour.
 - (4) One (1) No. 2 Kaolin Silo, equipped with a baghouse identified as No. 2 Kaolin Silo Baghouse, constructed in 1978, capacity: 0.89 tons per hour.
 - (5) One (1) No. 5 Zircon Silo, equipped with a baghouse identified as No. 5 Zircon Silo Baghouse, constructed in 1985, capacity: 0.89 tons per hour.
 - (6) One (1) No. 6 H.G. Alumina Silo, equipped with a baghouse identified as No. 6 H.G. Alumina Silo Baghouse, constructed in 1986, capacity: 0.89 tons per hour.
 - (7) One (1) Alumina Transporter, equipped with a baghouse identified as Alumina Transporter Venting Baghouse, constructed in 1978, capacity: 0.89 tons per hour.
 - (8) One (1) No. 1 Day Bin Kaolin, equipped with a baghouse identified as No. 1 Day Bin Kaolin Bin Venting Baghouse, constructed in 1988, capacity: 0.89 tons per hour.
 - (9) One (1) No. 2 Day Bin Alumina, equipped with a baghouse identified as No. 2 Day Bin Alumina Bin Venting Baghouse, constructed in 1988, capacity: 0.89 tons per hour.
 - (10) One (1) No. 3 Day Bin Sand, equipped with a baghouse identified as No. 3 Day Bin Sand Bin Venting Baghouse, constructed in 1988, capacity: 0.89 tons per hour.
- (b) One (1) Tilt Furnace Process consisting of:
- (1) One (1) Tilt Furnace Mix Feed Bin 1, equipped with a baghouse identified as Tilt Furnace Mix Feed Bins 1 & 2 Baghouse, constructed in 1985, capacity: 0.925 tons per hour.
 - (2) One (1) Tilt Furnace Mix Feed Bin 2, equipped with a baghouse identified as Tilt Furnace Mix Feed Bins 1 & 2 Baghouse, constructed in 1985, capacity: 0.925 tons per hour.
 - (3) One (1) Tilt Furnace Mix Feed Bin 3, equipped with a baghouse identified as Tilt Furnace Mix Feed Bin 3 Baghouse, constructed in 1985, capacity: 0.925 tons per hour.
 - (4) One (1) Tilt Furnace, equipped with a baghouse identified as Tilt Fume Collector Baghouse, constructed in 1986, capacity: 0.925 tons per hour.
 - (5) One (1) Tilt Furnace Cyclone, equipped with a baghouse identified as Tilt Furnace HSA Baghouse, constructed in 1985, capacity: 0.925 tons per hour.
 - (6) One (1) Tilt Furnace Bulk Bagger, equipped with a baghouse identified as Tilt Furnace HSA Baghouse, constructed in 1985, capacity: 0.925 tons per hour.
 - (7) One (1) Tilt Furnace Attrition Mill, equipped with a baghouse identified as Tilt Furnace HSA Baghouse, constructed in 1985, capacity: 0.925 tons per hour.

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

Facility Description [326 IAC 2-7-5(15)] (continued):

- (c) One (1) Submerged Electric Furnace I (SEF I) Process consisting of:
- (1) One (1) SEF I Mix Feed Bin, equipped with a baghouse identified as SEF I Mix Feed Bin Venting Baghouse, constructed in 1988, capacity: 0.675 tons per hour.
 - (2) One (1) SEF I Furnace, equipped with a baghouse identified as SEF I Furnace Baghouse, constructed in 1986, capacity: 0.675 tons per hour.
 - (3) One (1) SEF I Collector, equipped with a baghouse identified as SEF I Collector Baghouse, constructed in 1991, capacity: 0.675 tons per hour.
 - (4) One (1) SEF I Bulk Bagger, equipped with a baghouse identified as SEF I Downline Baghouse, constructed in 1985, capacity: 0.675 tons per hour.
- (d) One (1) Submerged Electric Furnace II (SEF II) Process consisting of:
- (1) One (1) SEF II Mix Feed Bin 1, equipped with a baghouse identified as SEF II Mix Feed Bin 1 Bin Venting Baghouse, constructed in 1988, capacity: 1.4 tons per hour.
 - (2) One (1) SEF II Mix Feed Bin 2, equipped with a baghouse identified as SEF II Mix Feed Bin 2 Bin Venting Baghouse, constructed in 1988, capacity: 1.4 tons per hour.
 - (3) One (1) SEF II Furnace, equipped with a baghouse identified as SEF II Furnace Baghouse, constructed in 1988, capacity: 1.4 tons per hour.
 - (4) One (1) SEF II Packaging Equipment, equipped with a baghouse identified as SEF II Downline Baghouse, constructed between 1988 and 1990, capacity: 1.4 tons per hour.
 - (5) One (1) SEF II Cyclone, equipped with a baghouse identified as SEF II Cyclone Baghouse, constructed in 1996, capacity: 1.4 tons per hour.
 - (6) One (1) SEF II Collector, equipped with a baghouse identified as SEF II Collector Baghouse, constructed in 1996, capacity: 1.4 tons per hour.
- (e) One (1) Submerged Electric Furnace III (SEF III) Process consisting of:
- (1) One (1) SEF III Mix Feed Bin 1, equipped with a baghouse identified as SEF III Mix Feed Bin 1 Bin Venting Baghouse, constructed in 1985, capacity: 1.4 tons per hour.
 - (2) One (1) SEF III Mix Feed Bin 2, equipped with a baghouse identified as SEF III Mix Feed Bin 2 Bin Venting Baghouse, constructed in 1985, capacity: 1.4 tons per hour.
 - (3) One (1) SEF III Slag Reclaim Bin, equipped with a baghouse identified as SEF III Slag Reclaim Bin Venting Baghouse, constructed in 1985, capacity: 1.4 tons per hour.
 - (4) One (1) SEF III Furnace, equipped with a baghouse identified as SEF III Furnace Baghouse, constructed in 1986, capacity: 1.4 tons per hour.
 - (5) One (1) SEF III Collector, equipped with a baghouse identified as SEF III Collector Baghouse, constructed in 1985, capacity: 1.4 tons per hour.
 - (6) One (1) SEF III Needler, equipped with a baghouse identified as SEF III Downline Baghouse, constructed in 1985, capacity: 1.4 tons per hour.
 - (7) One (1) SEF III Wet Slitter, equipped with a baghouse identified as SEF III Downline Baghouse, constructed in 1985, capacity: 1.4 tons per hour.
 - (8) One (1) SEF III Roll-up Machine, equipped with a baghouse identified as SEF III Downline Baghouse, constructed in 1985, capacity: 1.4 tons per hour.

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

Facility Description [326 IAC 2-7-5(15)] (continued):

- (9) One (1) SEF III Guillotine, equipped with a baghouse identified as SEF III Downline Baghouse, constructed in 1985, capacity: 1.4 tons per hour.
- (10) One (1) SEF III Attrition Mill, equipped with a baghouse identified as SEF III Downline Baghouse, constructed in 1985, capacity: 1.4 tons per hour.
- (f) One (1) Submerged Electric Furnace IV (SEF IV) Process consisting of:
 - (1) One (1) SEF IV Mix Feed Bin 1, equipped with a baghouse identified as SEF IV Mix Feed Bin 1 Bin Venting Baghouse, constructed in 1997, capacity: 0.95 tons per hour.
 - (2) One (1) SEF IV Mix Feed Bin 2, equipped with a baghouse identified as SEF IV Mix Feed Bin 2 Bin Venting Baghouse, constructed in 1997, capacity: 0.95 tons per hour.
 - (3) One (1) SEF IV Furnace, equipped with a baghouse identified as SEF IV Furnace Baghouse, constructed in 1997, capacity: 0.95 tons per hour.
 - (4) One (1) SEF IV Attrition Mill, equipped with a baghouse identified as SEF IV Downline Baghouse, constructed in 1997, capacity: 0.95 tons per hour.
 - (5) One (1) SEF IV Cyclone & Bulk Bagger, equipped with a baghouse identified as SEF IV Downline Baghouse, constructed in 1997, capacity: 0.95 tons per hour.
- (g) One (1) Vacuum Casting Process consisting of:
 - (1) One (1) Vacuum Cast Mix Tank 1, equipped with a baghouse identified as Vacuum Cast Mix Tanks Baghouse, constructed in 1982, capacity: 1 ton per hour.
 - (2) One (1) Vacuum Cast Mix Tank 2, equipped with a baghouse identified as Vacuum Cast Mix Tanks Baghouse, constructed in 1982, capacity: 1 ton per hour.
 - (3) One (1) Vacuum Cast Board Sander, equipped with a baghouse identified as Vacuum Cast Board Sander Baghouse, constructed in 1978, capacity: 1 ton per hour.
 - (4) One (1) Vacuum Cast Board Saw System, equipped with a baghouse identified as Vacuum Cast Board Saw System Baghouse, constructed in 1996, capacity: 1 ton per hour.
- (h) One (1) Fabricated Products Area consisting of:
 - (1) One (1) Fabricated Products Area consisting of folding, banding, and module-making machines, equipped with a baghouse identified as Fabricated Products Area Equipment Baghouse 1, constructed in 1981, capacity: 2 tons per hour.
 - (2) One (1) Fabricated Products Area consisting of a v-blender, ball mill, and high-temperature caulk fabrication, equipped with a baghouse identified as Fabricated Products Area Equipment Baghouse 2, constructed in 1981, capacity: 2 tons per hour.
 - (3) One (1) Fabrication Area Vacuum System, equipped with a baghouse identified as Fabrication Area Vacuum System Baghouse, constructed in 1981, capacity: 1 ton per hour.
- (i) One (1) Warehouse Blow-off Booth with particulate emissions controlled by a Warehouse Blow-off Booth filter, constructed in 1981, capacity: 1 ton per hour.
- (j) One (1) ODB Bagger, equipped with a baghouse identified as ODB Baghouse, constructed in 1981, capacity: 0.25 tons per hour.

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

Facility Description [326 IAC 2-7-5(15)] (continued):

- (k) The following facilities at the Raw Material Handling System:
- (1) One (1) Common Blender Transporter, constructed in 1990, equipped with a baghouse identified as Common Blender Transporter Venting Baghouse, capacity: 0.89 tons per hour.
 - (2) One (1) No. 4 Day Bin H.G. Alumina, constructed in 1990, equipped with a baghouse identified as No. 4 Day Bin H.G. Alumina Bin Venting Baghouse, capacity: 0.89 tons per hour.
 - (3) One (1) No. 5 Day Bin Zircon, constructed in 1990, equipped with a baghouse identified as No. 5 Day Bin Zircon Bin Venting Baghouse, capacity: 0.89 tons per hour.
 - (4) One (1) No. 6 Day Bin Test Material, constructed in 1990, equipped with a baghouse identified as No. 6 Day Bin Test Material Bin Venting Baghouse, capacity: 0.89 tons per hour.
 - (5) One (1) Bad Batch Bin, constructed in 1990, equipped with a baghouse identified as Bad Batch Bin Bin Venting Baghouse, capacity: 0.89 tons per hour.
 - (6) One (1) SEF I, SEF IV, Tilt Blender Transporter, constructed in 1997, equipped with a baghouse identified as SEF I, SEF IV, Tilt Blender Transporter Baghouse, capacity: 0.89 tons per hour.
 - (7) One (1) SEF II, SEF III Blender Transporter, constructed in 1997, equipped with a baghouse identified as SEF II, SEF III Blender Transporter Baghouse, capacity: 0.89 tons per hour.
- (l) The following facility at the Tilt Furnace Process:
- One (1) Tilt Furnace Conveyor, constructed in 1994, equipped with a baghouse identified as Tilt Furnace HSA Baghouse, capacity: 0.925 tons per hour.
- (m) The following facilities at the Submerged Electric Furnace I (SEF I) Process:
- (1) One (1) SEF I Conveyor System, constructed in 1988, equipped with a baghouse identified as SEF I Downline Baghouse, capacity: 0.675 tons per hour.
 - (2) One (1) SEF I Attrition Mill, constructed in 1988, equipped with a baghouse identified as SEF I Downline Baghouse, capacity: 0.675 tons per hour.
 - (3) One (1) SEF I Picker, constructed in 1988, equipped with a baghouse identified as SEF I Downline Baghouse, capacity: 0.675 tons per hour.
- (n) The following facility at the Submerged Electric Furnace II (SEF II) Process:
- One (1) SEF II Attrition Mill, constructed in 1997, equipped with a baghouse identified as SEF II Downline Baghouse, capacity: 1.4 tons per hour.
- (o) The following facilities at the Submerged Electric Furnace III (SEF III) Process:
- (1) One (1) SEF III Conveyor System, constructed in 1985, equipped with a baghouse identified as SEF III Downline Baghouse, capacity: 1.4 tons per hour.
 - (2) One (1) SEF III Bulk Bagger, constructed in 1985, equipped with a baghouse identified as SEF III Downline Baghouse, capacity: 1.4 tons per hour.
- (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Facility Description [326 IAC 2-7-5(15)] (continued):

- (p) The following facilities at the Fabricated Products Area:
- (1) One (1) Fabricated Products Area Band Saw System, constructed in 1981, equipped with a baghouse identified as Fabricated Products Area Band Saw System Baghouse, capacity: 1 ton per hour.
 - (2) One (1) Fabrication Area Blow-off booth, constructed in 1986, equipped with a filter identified as Fabrication area Blow-off Booth Filter, capacity: 1 ton per hour.

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

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

D.1.1 Particulate Matter (PM) [326 IAC 6-1] [326 IAC 2-2] [326 IAC 2-3]

- (a) Pursuant to CP 141-2522-00029, issued on January 18, 1995, the PM emissions from the baghouses covered in that permit (listed below) are limited to make the initial source a minor source pursuant to 326 IAC 2-3, Emission Offset, and to comply with 326 IAC 6-1:
- (1) For the Raw Material Storage and Handling Process: The No. 4 Sand Silo Baghouse, No. 3 Alumina Silo Baghouse, No. 1 Kaolin Silo Baghouse, No. 2 Kaolin Silo Baghouse, No. 5 Zircon Silo Baghouse, No. 6 H.G. Alumina Silo Baghouse, and the Alumina Transporter Venting Baghouse, 0.025 gr/dscf with an input flow rate not to exceed 500 dscfm, each; and the No. 2 Day Bin Alumina Bin Venting Baghouse and the No. 3 Day Bin Sand Bin Venting Baghouse, 0.025 gr/dscf with an input flow rate not to exceed 900 dscfm, each.
 - (2) For the Tilt Furnace Process: The Tilt Furnace Mix Feed Bins 1 and 2 Baghouse and the Tilt Furnace Mix Feed Bin 3 Baghouse, 0.025 gr/dscf with an input flow rate not to exceed 500 dscfm, each.
 - (3) For the SEF I Furnace Process: SEF I Mix Feed Bin Venting Baghouse, 0.025 gr/dscf with an input flow rate not to exceed 500 dscfm.
 - (4) For the SEF II Furnace Process: SEF II Mix Feed Bin 1 Bin Venting Baghouse, 0.025 gr/dscf with an input flow rate not to exceed 500 dscfm; and SEF II Mix Feed Bin 2 Bin Venting Baghouse, 0.025 gr/dscf with an input flow rate not to exceed 500 dscfm.
 - (5) For the Spun Furnace Process: SEF III Mix Feed Bin 1 Bin Venting Baghouse, 0.025 gr/dscf with an input flow rate not to exceed 500 dscfm; SEF III Mix Feed Bin 2 Bin Venting Baghouse, 0.025 gr/dscf with an input flow rate not to exceed 500 dscfm; and SEF III Downline Baghouse, 0.025 gr/dscf with an input flow rate not to exceed 18,000 dscfm.
 - (6) For the Vacuum Casting Process: Vacuum Cast Board Sander Baghouse, 0.025 gr/dscf with an input flow rate not to exceed 15,000 dscfm; Vacuum Cast Board Saw System Baghouse, 0.025 gr/dscf with an input flow rate not to exceed 18,000 dscfm; and Vacuum Cast Mix Tanks 1 and 2 Baghouse, 0.025 gr/dscf with an input flow rate not to exceed 7,500 dscfm. In addition, each facility at the vacuum casting process shall be limited to 4,000 hours of operation per consecutive twelve (12) month period.
 - (7) For the Fabricated Products Process: Fabricated Products Area Fabrication

Equipment Baghouse 1, 0.025 gr/dscf with an input flow rate not to exceed 9,000 dscfm; Fabricated Products Area Fabrication Equipment Baghouse 2, 0.025 gr/dscf with an input flow rate not to exceed 5,000 dscfm; and Fabrication Area Vacuum System Baghouse, 0.025 gr/dscf with an input flow rate not to exceed 1,000 dscfm.

- (8) For the General Facilities: ODB Baghouse, 0.025 gr/dscf with an input flow rate not to exceed 6,000 dscfm.
 - (9) The limit for the No. 1 Day Bin Kaolin Bin Venting Baghouse was 0.025 gr/dscf with an input flow rate not to exceed 500 dscfm. The source has requested that the limit be changed to 0.025 gr/dscf with an input flow rate not to exceed 900 dscfm. Since this change results in an increase in the emission rate of only 0.086 pounds per hour and 0.376 tons per year, the requested revised limit will appear in the permit.
 - (10) The limit for the SEF III Slag Reclaim Bin Venting Baghouse was 0.025 gr/dscf with an input flow rate not to exceed 200 dscfm. The source has requested that the limit be changed to 0.025 gr/dscf with an input flow rate not to exceed 500 dscfm. Since this change results in an increase in the emission rate of only 0.064 pounds per hour and 0.281 tons per year, the requested revised limit will appear in the permit.
- (b) In order to show that the existing source was a minor source in 1995 pursuant to 326 IAC 2-3, Emission Offset, the following emission units are limited. These limitations are revised from the limitations listed in CP 141-2522-00029. The following limits will also ensure compliance with 326 IAC 6-1:
- (1) Tilt Fume Collector Baghouse, 0.0025 gr/dscf with an input flow rate not to exceed 30,000 dscfm;
 - (2) Tilt Furnace HSA Baghouse, 0.0025 gr/dscf with an input flow rate not to exceed 36,000 dscfm;
 - (3) SEF I Furnace Baghouse, 0.0025 gr/dscf with an input flow rate not to exceed 15,000 dscfm;
 - (4) SEF I Collector Baghouse, 0.0025 gr/dscf with an input flow rate not to exceed 24,000 dscfm;
 - (5) SEF I Downline Baghouse, 0.0054 gr/dscf with an input flow rate not to exceed 18,000 dscfm;
 - (6) SEF II Furnace Baghouse, 0.00218 gr/dscf with an input flow rate not to exceed 20,000 dscfm;
 - (7) SEF II Downline Baghouse, 0.00133 gr/dscf with an input flow rate not to exceed 18,000 dscfm;
 - (8) SEF II Cyclone Baghouse, 0.00111 gr/dscf with an input flow rate not to exceed 30,000 dscfm;
 - (9) SEF III Furnace Baghouse, 0.0025 gr/dscf with an input flow rate not to exceed 20,000 dscfm;
 - (10) SEF III Collector Baghouse, 0.000626 gr/dscf with an input flow rate not to exceed 39,000 dscfm; and

- (11) Fabricated Products Area Band Saw System Baghouse, 0.025 gr/dscf with an input flow rate not to exceed 9,000 dscfm.
- (c) The facilities existing in 1995, but not permitted in CP 141-2522-00029, will be required to comply with the following limitations to make the initial source a minor source pursuant to 326 IAC 2-3, Emission Offset, and to comply with 326 IAC 6-1:
- (1) The Common Blender Transporter, 0.025 gr/dscf with an input flow rate of 500 dscfm;
 - (2) The No.4 Day Bin H.G. Alumina, 0.025 gr/dscf with an input flow rate of 500 dscfm;
 - (3) The No.5 Day Bin Zircon, 0.025 gr/dscf with an input flow rate of 500 dscfm;
 - (4) The No.6 Day Bin Test Material, 0.025 gr/dscf with an input flow rate of 500 dscfm;
 - (5) The Bad Batch Bin, 0.025 gr/dscf with an input flow rate of 500 dscfm;
 - (6) The Fabrication Area Blow-off Booth, 0.025 gr/dscf with an input flow rate of 3,000 dscfm; and
 - (7) The Warehouse Blow-off Booth, 0.025 gr/dscf with an input flow rate 3,000 dscfm.
- (d) The facilities constructed during or after 1996 and not permitted in CP 141-2522-00029, will be required to comply with the following limitations to make the modification a minor modification to an existing minor source pursuant to 326 IAC 2-3, Emission Offset, and 326 IAC 2-2, PSD, and to comply with 326 IAC 6-1:
- (1) The SEF I, SEF IV Tilt Blender Transporter, 0.030 gr/dscf with an input flow rate of 500 dscfm;
 - (2) The SEF II, SEF III Tilt Blender Transporter, 0.030 gr/dscf with an input flow rate of 500 dscfm;
 - (3) The SEF II Collector, 0.030 gr/dscf with an input flow rate of 40,000 dscfm;
 - (4) The SEF IV Mix Feed Bin 1, 0.030 gr/dscf with an input flow rate of 500 dscfm;
 - (5) The SEF IV Mix Feed Bin 2, 0.030 gr/dscf with an input flow rate of 500 dscfm;
 - (6) The SEF IV Furnace, 0.030 gr/dscf with an input flow rate of 20,000 dscfm; and
 - (7) The SEF IV Attrition Mill, Cyclone and Bulk Bagger, all exhausting to the SEF IV Downline baghouse, 0.030 gr/dscf with an input flow rate of 22,000 dscfm.

D.1.2 Non-applicable Requirements [326 IAC 2-3] [326 IAC 6-3-2]

- (a) Operation Condition 11 from CP 141-6517-00029, issued on December 20, 1996, which states that pursuant to 326 IAC 6-3 (Process Operations), particulate matter from the SEF II line shall be limited to:
- (1) 0.028 lbs/hr from each of the mix feed bin baghouses (19A and 19B),
 - (2) 1.12 lbs/hr from the fume hood baghouse (20),
 - (3) 0.705 lbs/hr from the cyclone baghouse (21),

- (4) 1.24 lbs/hr from the downline equipment baghouse (22), and
- (5) 2.25 lbs/hr from the fiber collector baghouse (45),

is not applicable because, the above listed facilities will be limited to make the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset) not applicable, and to comply with 326 IAC 6-1, as stated in (d) of Condition D.1.1 of this permit.

- (b) Operation Condition 12 from CP 141-6517-00029, issued on December 20, 1996, which states that pursuant to 326 IAC 6-3 (Process Operations), particulate matter from the SEF IV line shall be limited to:

- (1) 0.054 lbs/hr from each of the mix feed bin baghouses (48 and 49),
- (2) 2.15 lbs/hr from the fume hood baghouse (46), and
- (3) 2.37 lbs/hr from the cyclone baghouse (47),

is not applicable because, the above listed facilities will be limited to make the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset) not applicable, and to comply with 326 IAC 6-1, as stated in (d) of Condition D.1.1 of this permit.

- (c) Operation Condition 5(h)(1) from CP 141-2522-00029, issued on January 18, 1995, which states that the PM emissions from Point Id #40 shall be limited to 0.025 gr/dscf with an input flow rate not to exceed 2,500 dscfm, is not applicable because the facility no longer exists.
- (d) Operation Condition 5(a)(6) from CP 141-2522-00029, issued on January 18, 1995, which states that the PM emissions from Point Id #6 (now referred to as No. 1 Day Bin Kaolin Bin Venting Baghouse) shall be limited to 0.025 gr/dscf with an input flow rate not to exceed 500 dscfm, is not applicable because the source has requested that the limit for the No. 1 Day Bin Kaolin Bin Venting Baghouse be changed to 0.025 gr/dscf with an input flow rate not to exceed 900 dscfm. The revised limit will still make 326 IAC 2-2 and 326 IAC 2-3 not applicable and result in compliance with 326 IAC 6-1.
- (e) Operation Condition 5(e)(5) from CP 141-2522-00029, issued on January 18, 1995, which states that the PM emissions from Point Id #28 (now referred to as Slag Reclaim Bin Venting Baghouse), 0.025 gr/dscf with an input flow rate not to exceed 200 dscfm, is not applicable because the source has requested that the limit for the Slag Reclaim Bin Venting Baghouse be changed to 0.025 gr/dscf with an input flow rate not to exceed 500 dscfm. The revised limit will still make 326 IAC 2-2 and 326 IAC 2-3 not applicable and result in compliance with 326 IAC 6-1.

D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.1.4 Particulate Matter (PM)

The baghouses and filters for PM control shall be in operation and control emissions from the corresponding facilities at all times that the facilities are in operation.

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

D.1.5 Monitoring

- (a) Daily inspections shall be performed to verify the placement, integrity and particle loading

of the Fabrication Area Blow-off Booth filter and Warehouse Blow-off Booth filter on any day that such booth is operated. To monitor the performance of the dry filters, weekly observations of particulate emissions shall be made from the blow-off booth stacks while the booths are in operation, during such weeks that the booths operate. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

- (b) Monthly inspections shall be performed of the particulate emissions from the stack and the presence of particulate on the rooftops and the nearby ground. The Compliance Response Plan for these units shall contain troubleshooting contingency and response steps for when a noticeable change in particulate emission, or evidence of particulate emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.
- (c) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

D.1.6 Visible Emissions Notations

- (a) Visible emission notations of all stack exhausts shall be performed once per shift 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.1.7 Parametric Monitoring

The Permittee shall record the total static pressure drop across all baghouses used in conjunction with the high-heat insulating materials manufacturing source, in the following manner:

- (a) For the Raw Material Bin Venting Baghouses (Silos Loaded from Railcars), parametric monitoring shall be performed once per shift. The magnehelic measuring the pressure drop across the bin venting baghouse controlling emissions from the silo currently being loaded is to be read (i.e., one time during the unloading of a specific railcar to a specific silo), and the reading recorded. The pressure drop from that silo's bin venting baghouse shall be noted and recorded, but only during such time as no material is being transported from that specific silo to a day bin. In the event that no silo is being loaded, the condition of "non-use" shall be recorded. The Raw Material Bin Venting Baghouses are:

- No. 1 Kaolin Silo Baghouse
- No. 2 Kaolin Silo Baghouse
- No. 3 Alumina Silo Baghouse
- No. 4 Sand Silo Baghouse

No. 5 Zircon Silo Baghouse
No. 6 H.G. Alumina Silo Baghouse

- (b) For the Raw Material Day Bin “Bin Venting Baghouses,” parametric monitoring shall be performed once per shift. The magnehelics measuring the pressure drop across the bin venting baghouses controlling emissions from the Raw Material Day Bins are to be read when the day bins are in operation. In the event that any day bin is not in operation at the time of the reading, the condition of “non-use” of such day bin shall be recorded. The Raw Material Day Bin “Bin Venting Baghouses” are:

Alumina Transporter Venting Baghouse
No. 1 Day Bin Kaolin Bin Venting Baghouse
No. 2 Day Bin Alumina Bin Venting Baghouse
No. 3 Day Bin Sand Bin Venting Baghouse
Common Blender Transporter Venting Baghouse
No. 4 Day Bin H.G. Alumina Bin Venting Baghouse
No. 5 Day Bin Zircon Bin Venting Baghouse
No. 6 Day Bin Test Material Bin Venting Baghouse
Bad Batch Bin Bin Venting Baghouse
SEF I, SEF IV, Tilt Blender Transporter Baghouse
SEF II, SEF III Blender Transporter Baghouse

- (c) For the Mix (Furnace) Feed Bins “Bin Venting Baghouses,” parametric monitoring shall be performed once per twelve (12) -hour shift (twice per day), at specific times to be set. The magnehelics measuring the pressure drop across the bin venting baghouses controlling emissions from the furnaces’ Mix Feed Bins are to be read by the furnace operator when the Mix Feed Bins are in operation. In the event that any Mix Feed Bin is not in operation at the time of the reading, the condition of “non-use” of such bin shall be recorded. The Mix (Furnace) Feed Bins “Bin Venting Baghouses” are:

SEF I Mix Feed Bin Venting Baghouse
SEF II Mix Feed Bin 1 Bin Venting Baghouse
SEF II Mix Feed Bin 2 Bin Venting Baghouse
SEF III Mix Feed Bin 1 Bin Venting Baghouse
SEF III Mix Feed Bin 2 Bin Venting Baghouse
SEF III Slag Reclaim Bin Venting Baghouse
SEF IV Mix Feed Bin 1 Bin Venting Baghouse
SEF IV Mix Feed Bin 2 Bin Venting Baghouse
Tilt Furnace Mix Feed Bins 1 & 2 Baghouse
Tilt Furnace Mix Feed Bin 3 Baghouse

- (d) For the Furnace Baghouses, parametric monitoring shall be performed once per twelve (12) -hour shift (twice per day), at specific times to be set, the magnehelics measuring the pressure drop across the baghouses controlling emissions from the furnaces are to be read by the furnace operator when the specific furnace is in operation. In the event that any furnace is not in operation at the time of the reading, the condition of “non-use” of such furnace shall be recorded. The Furnace Baghouses are:

SEF I Furnace Baghouse
SEF II Furnace Baghouse
SEF III Furnace Baghouse
SEF IV Furnace Baghouse
Tilt Fume Collector Baghouse

- (e) For the Furnace Collector Baghouses, “Downline” Baghouses, parametric monitoring shall

be performed once per twelve (12)-hour shift. The magnehelics measuring the pressure drop across the baghouses controlling emissions from the furnace collectors and “downline” facilities are to be read during times when the baghouses are in operation. The Furnace Collector Baghouses, “Downline” Baghouses are:

SEF I Collector Baghouse
SEF I Downline Baghouse
SEF II Cyclone Baghouse
SEF II Downline Baghouse
SEF III Collector Baghouse
SEF III Downline Baghouse
SEF IV Downline Baghouse
Tilt Furnace HSA Baghouse

- (f) For the Fabricated Products and Vacuum Cast Baghouses, parametric monitoring shall be performed once per twelve (12)-hour shift. The magnehelics measuring the pressure drop across the baghouses controlling emissions from Fabricated Products and Vacuum Cast facilities are to be read by production personnel when such facilities are in operation. The Fabricated Products and Vacuum Cast Baghouses are:

Fabricated Products Area Band Saw System Baghouse
Fabricated Products Area Equipment Baghouse 1
Fabricated Products Area Equipment Baghouse 2
Fabrication Area Vacuum System Baghouse
Vacuum Cast Board Sander Baghouse
Vacuum Cast Board Saw System Baghouse
Vacuum Cast Mix Tanks Baghouse

Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 1.0 and 5.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for these units shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge Specifications, of this permit, shall be subject to approval by IDEM, OAM, and shall be calibrated at least once every six (6) months.

D.1.8 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the operations at this source when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. All defective bags shall be replaced.

D.1.9 Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

- (b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

D.1.10 Record Keeping Requirements

- (a) To document compliance with Condition D.1.6, the Permittee shall maintain records of visible emission notations of all stack exhausts once per shift during normal daylight operations, when exhausting to the atmosphere.
- (b) To document compliance with Condition D.1.7, the Permittee shall maintain the following:
 - (1) Records of the following operational parameters at frequencies described in Condition D.1.7 during normal operation when venting to the atmosphere:
 - Inlet and outlet differential static pressure
 - (2) Documentation of the dates vents are redirected.
- (c) To document compliance with Condition D.1.8, the Permittee shall maintain records of the results of the inspections required under Condition D.1.8 and the dates the vents are redirected.
- (d) To document compliance with Condition D.1.5, the Permittee shall maintain a log of weekly particulate observations, daily and monthly inspections, and those additional inspections prescribed by the Preventive Maintenance Plan.
- (e) To document compliance with Condition D.1.1(a)(6), the Permittee shall maintain monthly records of the hours of operation at each facility at the vacuum casting process.
- (f) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.11 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.1(a)(6) shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Insignificant Activities

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour:

One (1) Tilt Furnace Boiler, capacity: 7 million British thermal units per hour.

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

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

D.2.1 Particulate Matter (PM) [326 IAC 6-1]

Pursuant to 326 IAC 6-1-2(b)(5) (Nonattainment Area Particulate Limitations), particulate matter (PM) emissions from the one (1) insignificant boiler shall be limited to 0.01 grain per dry standard cubic foot.

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

**PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Unifrax Corporation, New Carlisle Facility
Source Address: 54401 Smilax Road, New Carlisle, Indiana 46552
Mailing Address: 54401 Smilax Road, New Carlisle, Indiana 46552
Part 70 Permit No.: T 141-7925-00029

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

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

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

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

P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Unifrax Corporation, New Carlisle Facility
Source Address: 54401 Smilax Road, New Carlisle, Indiana 46552
Mailing Address: 54401 Smilax Road, New Carlisle, Indiana 46552
Part 70 Permit No.: T 141-7925-00029

This form consists of 2 pages

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- 9** This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
 - The Permittee must submit notice in writing or by facsimile within two (2) days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16.

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

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

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

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Unifrax Corporation, New Carlisle Facility
Source Address: 54401 Smilax Road, New Carlisle, Indiana 46552
Mailing Address: 54401 Smilax Road, New Carlisle, Indiana 46552
Part 70 Permit No.: T 141-7925-00029

Months: _____ to _____ Year: _____

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<p>This report is an affirmation that the source has met all the requirements stated in this permit. This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
<p><input 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:	

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.

Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: Unifrax Corporation, New Carlisle Facility
Source Address: 54401 Smilax Road, New Carlisle, Indiana 46552
Mailing Address: 54401 Smilax Road, New Carlisle, Indiana 46552
Part 70 Permit No.: T 141-7925-00029
Facilities: Vacuum Cast Mix Tanks 1 and 2
Parameter: Operating hours (hours with potential PM emissions)
Limit: Operating hours of no more than 4,000 hours per year

YEAR: _____

Month	Operating Hours	Operating Hours	Operating Hours
	This Month	Previous 11 Months	12 Month Total

- 9 No deviation occurred in this quarter.
- 9 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
AIR COMPLIANCE BRANCH**

Part 70 Quarterly Report

Source Name: Unifrax Corporation, New Carlisle Facility
Source Address: 54401 Smilax Road, New Carlisle, Indiana 46552
Mailing Address: 54401 Smilax Road, New Carlisle, Indiana 46552
Part 70 Permit No.: T 141-7925-00029
Facilities: Vacuum Cast Board Sander
Parameter: Operating hours (hours with potential PM emissions)
Limit: Operating hours of no more than 4,000 hours per year

YEAR: _____

Month	Operating Hours	Operating Hours	Operating Hours
	This Month	Previous 11 Months	12 Month Total

- 9 No deviation occurred in this quarter.
- 9 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
AIR COMPLIANCE BRANCH**

Part 70 Quarterly Report

Source Name: Unifrax Corporation, New Carlisle Facility
Source Address: 54401 Smilax Road, New Carlisle, Indiana 46552
Mailing Address: 54401 Smilax Road, New Carlisle, Indiana 46552
Part 70 Permit No.: T 141-7925-00029
Facilities: Vacuum Board Saw System
Parameter: Operating hours (hours with potential PM emissions)
Limit: Operating hours of no more than 4,000 hours per year

YEAR: _____

Month	Operating Hours	Operating Hours	Operating Hours
	This Month	Previous 11 Months	12 Month Total

- 9 No deviation occurred in this quarter.
- 9 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.