



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

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Commissioner

100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

Mr. Stephen O. Ketcham
Ferro Corporation, Filled and Reinforced Plastics Division
5001 O'Hara Drive
Evansville, Indiana 47711

December 13, 2007

Re: 163-24005-00120
First Significant Permit Revision to
FESOP 163-13771-00120

Dear Mr. Ketcham:

Ferro Corporation, Filled and Reinforced Plastics Division was issued a FESOP Renewal on March 8, 2006, for a manufacturing plant engaged in the custom compounding of purchased resins. A letter requesting an Administrative Review and a Stay of effectiveness for the FESOP Renewal F163-13771-00120 was received on March 24, 2006. The resolution of six (6) of the seven (7) issues of concern related to Ferro's FESOP Renewal were agreed upon on June 27, 2006, and mediation of the remaining issue of concern occurred October 3, 2006. Pursuant to the provisions of 326 IAC 2-8-11.1, a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document.

The revision consists of the following:

- (a) The source location status in Section A.1 has been revised to indicate that Vanderburgh County is attainment for ozone.
- (b) Condition C.2 - Opacity has been revised to state that Ferro Corporation shall be subject to opacity limitations that 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.
- (c) The baghouse description for baghouse EX30 has been revised to reflect that EX30 is a dust collector that is a part of the raw material handling pneumatic transfer system to blenders C22, C23, C24 and C25, and not a control device for pollution control.
- (d) Condition D.1.4 has been revised to state that the Permittee shall perform PM and PM-10 testing on baghouses EX1 and EX2 no later than five (5) years from the date of the permit issuance, which was March 8, 2006.
- (e) Condition D.1.5 has been revised to state that the visible emission notations of EX1 and EX2 and EX30 shall be performed once per day during plant production operations.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the significant permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Please find attached the entire revised FESOP permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. Pursuant to Contract No. A305-0-00-34, IDEM, OAQ has assigned the processing of this permit application to Enviroplan Consulting (EVP). Therefore, questions should be directed to Alic Bent, EVP, Edgewater Commons II, 81 Two Bridges Road, Fairfield, New Jersey 07004, or call 973-575-2555, ext. 3206 to speak directly to Mr. Bent. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204 2251 or call (800) 451-6027, ask for Duane Van Laningham, or extension 3-6878, or dial (317) 233-6878.

Sincerely,

Original Signed By:
Matthew Stuckey, Deputy Branch Chief
Permits Branch
Office of Air Quality

Attachments
AB/EVP

cc: File - Vanderburgh County
Air Compliance Section Inspector – Derrick Ohning
IDEM Southwest Regional Office
Compliance Data Section
Administrative and Development
Technical Support and Modeling
Billing, Licensing, and Training Section – Dan Stamatkin



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

and EVANSVILLE EPA

**Ferro Corporation, Filled and Reinforced Plastics Division
5001 O'Hara Drive
Evansville, Indiana 47711**

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

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

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F163-13771-00120	
Original Signed by: Paul Dubenetzky, Assistant Commissioner Office of Air Quality	Issuance Date: March 8, 2006 Expiration Date: March 8, 2011

First Significant Permit Revision No.: 163-24005-00120	Pages Affected: Entire Permit
Issued by: Original Signed By: Matthew Stuckey, Deputy Branch Chief Permits Branch Office of Air Quality	Issuance Date: December 13, 2007 Expiration Date: March 8, 2011

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SECTION A SOURCE SUMMARY

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

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a manufacturing plant engaged in the custom compounding of purchased resins.

Source Address:	5001 O'Hara Drive, Evansville, Indiana 47711
Mailing Address:	5001 O'Hara Drive, Evansville, Indiana 47711
General Source Phone:	(812) 423-5218
SIC Code:	3087
Source Location Status:	Vanderburgh Nonattainment for PM2.5 Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, Section 112 of the Clean Air Act Minor Source, under PSD Minor Source, under Nonattainment NSR

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

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

- (a) Building 1, which is capable of processing 27,697 pounds of raw materials per hour, consists of the following:
 - (1) Raw materials handling, includes two (2) rail unloading systems, and are controlled by baghouses EX 3 and EX 4;
 - (2) Eight (8) blenders C04, C06, C15, C16, C18, C31, C32 and C51, capable of blending 27,697 pounds of raw materials per hour and controlled by baghouse EX 1;
 - (3) Eight (8) extruders C04, C06, C15, C16, C18, C31, C32 and C51, capable of extruding 27,697 pounds of raw materials per hour and are controlled by baghouse EX 2; and
 - (4) One (1) regrinder.
- (b) Building 2, which is capable of processing 17,344 pounds of raw materials per hour, consists of the following:
 - (1) Five (5) blenders C22, C23, C24, C25 and C45, capable of blending 17,344 pounds of raw materials per hour, with raw materials conveyed from rail cars to the blenders using a pneumatic transfer system equipped with an integral baghouse EX30; and
 - (2) Five (5) extruders C22, C23, C24, C25 and C45, capable of extruding 17,344 pounds of raw materials per hour.

Each extrusion line consists of a dedicated blender, material handling, extruder and pelletizing. The source utilizes different types of plastic in the process such as: Polyethylenes, Polypropylene, ABS, EVA, Nylons and Polystyrenes.

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

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

Other activities or categories where emissions are equal to or less than 5 pounds of PM per hour or 25 pounds per day:

- (a) These activities include thirty four (34) pellet silos, eight (8) weigh hoppers, pellet conveyor elevators, pellet conveyor augers and cooling towers;
- (b) Building 5, which is capable of processing 1,345 pounds of raw material per hour. This building consists of the following:
 - (1) Two (2) blenders C03 and C20, capable of blending 1,345 pounds of raw material per hour; and
 - (2) Two (2) extruders C03 and C20, capable of extruding 1,345 pounds of raw material per hour.

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

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

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

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

SECTION B GENERAL CONDITIONS

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

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

B.3 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5] [IC 13-15-3-6(a)]

- (a) This permit, F163-13771-00120, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

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

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

B.5 Severability [326 IAC 2-8-4(4)]

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

B.6 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

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

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

- (a) The Permittee shall furnish to IDEM, OAQ, and Evansville EPA within a reasonable time, any information that IDEM, OAQ, and Evansville EPA 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ, and Evansville EPA copies of records required to be kept by this permit.

- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Compliance Order Issuance [326 IAC 2-8-5(b)]

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

B.9 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

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

B.10 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than April 15 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Evansville EPA
100 E. Walnut Street,
Suite 100, C.K. Newsome Community Center
Evansville, Indiana 47713

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and Evansville EPA on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

- (2) The compliance status;
- (3) Whether compliance was continuous or intermittent;
- (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
- (5) Such other facts as specified in Sections D of this permit, IDEM, OAQ, and Evansville EPA may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.11 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall maintain and implement Preventive Maintenance Plans (PMPs), for the source as described in 326 IAC 1-6-3. At a minimum, the PMPs shall include:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) A copy of the PMPs shall be submitted to IDEM, OAQ, and Evansville EPA upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ, and Evansville EPA. IDEM, OAQ, and Evansville EPA may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that 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 Evansville EPA, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

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

Telephone Number: 317-233-0178 (ask for Compliance Section)

Facsimile Number: 317-233-6865

Telephone Number: 812-435-6145 (Evansville EPA)

Facsimile Number: 812-435-6155

- (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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Evansville EPA
100 E. Walnut Street,
Suite 100, C.K. Newsome Community Center
Evansville, Indiana 47713

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

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

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

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

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

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

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

- (a) All terms and conditions of permits established prior to F163-13771-00120 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

B.14 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]

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

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Evansville EPA
100 E. Walnut Street,
Suite 100, C.K. Newsome Community Center
Evansville, Indiana 47713

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ or Evansville EPA determines any of the following:
- (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ or Evansville EPA, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]

- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ or Evansville, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ or Evansville EPA, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

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

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

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, IN 46204-2251

and

Evansville EPA
100 E. Walnut Street,
Suite 100, C.K. Newsome Community Center
Evansville, Indiana 47713

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and Evansville EPA on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ and Evansville EPA takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ and Evansville EPA, any additional information identified as being needed to process the application.

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

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Evansville EPA
100 E. Walnut Street,
Suite 100, C.K. Newsome Community Center
Evansville, Indiana 47713

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

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

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

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) 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 approval required by 326 IAC 2-8-11.1 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Evansville EPA
100 E. Walnut Street,
Suite 100, C.K. Newsome Community Center
Evansville, Indiana 47713

and

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

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document, all such changes and emission trades that are subject to 326 IAC 2-8-15(b) through (d). The Permittee shall make such records available, upon reasonable request, for public review.

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

- (b) **Emission Trades [326 IAC 2-8-15(c)]**
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (c) **Alternative Operating Scenarios [326 IAC 2-8-15(d)]**
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.
- (d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Source Modification Requirement [326 IAC 2-8-11.1]

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

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

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

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

- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

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

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Evansville EPA
100 E. Walnut Street,
Suite 100, C.K. Newsome Community Center
Evansville, Indiana 47713

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

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

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

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action, or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

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

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Overall Source Limit [326 IAC 2-8] [326 IAC 2-2]

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

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) The potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period. This limitation shall make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

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

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

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] [M.C.E. 3.30.18.214]

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.

Burning shall be subject to the local requirements under the Municipal Code of Evansville (M.C.E. 3.30.18.214).

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

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

C.5 Fugitive Dust Emissions [326 IAC 6-4]

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

C.6 Stack Height [326 IAC 1-7]

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

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Evansville EPA
100 E. Walnut Street,
Suite 100, C.K. Newsome Community Center
Evansville, Indiana 47713

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Accredited Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

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

C.8 Performance Testing [326 IAC 3-6]

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

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Evansville EPA
100 E. Walnut Street,
Suite 100, C.K. Newsome Community Center
Evansville, Indiana 47713

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ and Evansville EPA not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, and Evansville EPA, if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

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

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

C.10 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

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

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

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

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

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

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

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

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records;
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
 - (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

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

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

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

The response action documents submitted pursuant to this condition do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner or Evansville EPA makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or Evansville EPA within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

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

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Evansville EPA
100 E. Walnut Street,
Suite 100, C.K. Newsome Community Center
Evansville, Indiana 47713
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and Evansville EPA on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

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

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

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

SECTION D.1 FACILITY OPERATION CONDITIONS

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

- (a) Building 1, which is capable of processing 27,697 pounds of raw materials per hour, consists of the following:
 - (1) Raw materials handling, includes two (2) rail unloading systems, and are controlled by baghouses EX 3 and EX 4;
 - (2) Eight (8) blenders C04, C06, C15, C16, C18, C31, C32 and C51, capable of blending 27,697 pounds of raw materials per hour and controlled by baghouse EX 1;
 - (3) Eight (8) extruders C04, C06, C15, C16, C18, C31, C32 and C51, capable of extruding 27,697 pounds of raw materials per hour and are controlled by baghouse EX 2; and
 - (4) One (1) regrinder.
- (b) Building 2, which is capable of processing 17,344 pounds of raw materials per hour, consists of the following:
 - (1) Five (5) blenders C22, C23, C24, C25 and C45, capable of blending 17,344 pounds of raw materials per hour, with raw materials conveyed from rail cars to the blenders using a pneumatic transfer system equipped with an integral baghouse EX30; and
 - (2) Five (5) extruders C22, C23, C24, C25 and C45, capable of extruding 17,344 pounds of raw materials per hour.
- (c) Building 5, which is capable of processing 1,345 pounds of raw material per hour, consists of the following:
 - (1) Two (2) blenders C03 and C20, capable of blending 1,345 pounds of raw material per hour; and
 - (2) Two (2) extruders C03 and C20, capable of extruding 1,345 pounds of raw material per hour.

Each extrusion line consists of a dedicated blender, material handling, extruder and pelletizing. The source utilizes different types of plastic in the process such as: Polyethylenes, Polypropylene, ABS, EVA, Nylons and Polystyrenes.

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

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

D.1.1 Particulate Matter Less Than 10 Microns (PM10) [326 IAC 2-8] [326 IAC 2-1.1-5]

Pursuant to 326 IAC 2-8 (FESOP):

- (a) The baghouse identified as EX1 controlling the blenders in Building 1 shall be in operation at all times the emission units vented to the baghouse are in operation and the PM10 emissions from baghouse EX1 shall not exceed 5.18 pounds per hour, which is equivalent to 22.69 tons per year.

- (b) The baghouse identified as EX2 controlling the extruders in Building 1 shall be in operation at all times the emission units vented to the baghouse are in operation and the PM10 emissions from baghouse EX2 shall not exceed 5.18 pounds per hour, which is equivalent to 22.69 tons per year.
- (c) The baghouses identified as EX3 and EX4 controlling the raw materials handling in Building 1, which includes two (2) rail unloading systems shall be in operation at all times the facilities vented to the baghouses are in operation and the PM10 emissions from baghouses EX3 and EX4 each shall not exceed 1.3 pounds per hour, which is equivalent to 5.69 tons per year.
- (d) PM10 emissions from EX30 (integral part of the process) shall not exceed 8.8 pounds per hour, which is equivalent to 38.54 tons per year.

These limits are necessary to limit the total source wide PM10 emissions to less than 100 tons per twelve (12) consecutive month period. Compliance with this condition shall make the requirements of 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-1.1-5 (Nonattainment NSR) not applicable to the source.

D.1.2 Particulate Matter (PM) [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a) (Vanderburgh County Particulate Limitations), particulate matter (PM) emissions shall be limited to 0.03 grain per dry standard cubic foot of exhaust air as follows:

Facilities	Baghouse ID
Building 1: Blenders C04, C06, C15, C16, C18, C31, C32, and C51	EX1
Building 1: Extruders C04, C06, C15, C16, C18, C31, C32, and C51	EX2
Building 1: Rail Unloading	EX3
Building 1: Rail Unloading	EX4
Building 2: Raw Material Handling-Truck Unloading; Blenders C22, C23, C24, C25 and C45	EX30
Building 5: Blenders C03 and C20 Extruders C03 and C20	--

Compliance Determination Requirements

D.1.3 Particulate Control

- (a) In order to comply with D.1.1 and D.1.2, the baghouse for particulate control shall be in operation and control emissions from the Building 1 extruders and blenders at all times that the extruders and blenders are in operation.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

D.1.4 Testing Requirements [326 IAC 2-8-5(a)(1), (4)][326 IAC 2-1.1-11]

To demonstrate compliance with the PM and PM₁₀ limits in D.1.1 and D.1.2, the Permittee shall perform PM and PM-10 testing on baghouses EX1 and EX2 no later than five (5) years from March 8, 2006 utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM-10 includes filterable and condensable PM-10. Testing shall be conducted in accordance with Section C - Performance Testing.

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

D.1.5 Visible Emissions Notations

- (a) Visible emission notations of EX1 and EX2 shall be performed once per day during plant production operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.1.6 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouses used in conjunction with the Building 1 blenders and extruders, at least once per day when the processes are in operation. When for any one reading, the pressure drop across the baghouses EX1 and EX2 is outside the normal range of 0.8 to 6.0 inches of water, or a range established during the latest stack test and baghouses EX3, and EX4 is outside the normal range of 0.2 to 4.0 inches of water, or a range established during the most recent stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

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

D.1.7 Broken or Failed Bag Detection

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

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

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

D.1.8 Record Keeping Requirements

- (a) To document compliance with Condition D.1.5, the Permittee shall maintain records of visible emission notations of the EX1 and EX2 stack exhaust once per day. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (b) To document compliance with Condition D.1.6, the Permittee shall maintain records once per day of the pressure drop. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g. the process did not operate that day).
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

and EVANSVILLE EPA

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Ferro Corporation, Filled and Reinforced Plastics Division
Source Address: 5001 O'Hara Drive, Evansville, Indiana 47711
Mailing Address: 5001 O'Hara Drive, Evansville, Indiana 47711
FESOP Renewal No.: F 163-13771-00120

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865**

and

**EVANSVILLE EPA
100 E. Walnut Street,
Suite 100, C.K. Newsome Community Center
Evansville, Indiana 47713
Phone: 812-435-6145
Fax: 812-435-6155**

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

Source Name: Ferro Corporation, Filled and Reinforced Plastics Division
Source Address: 5001 O'Hara Drive, Evansville, Indiana 47711
Mailing Address: 5001 O'Hara Drive, Evansville, Indiana 47711
FESOP Renewal No.: F 163-13771-00120

This form consists of 2 pages

Page 1 of 2

- 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 317-233-0178, ask for Compliance Section); and
 - The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16

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

Facility/Equipment/Operation:

Control Equipment:

Permit Condition or Operation Limitation in Permit:

Description of the Emergency:

Describe the cause of the Emergency:

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

Page 2 of 2

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

Form Completed by: _____
Title / Position: _____
Date: _____
Phone: _____

A certification is not required for this report.

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

and EVANSVILLE EPA

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

Source Name: Ferro Corporation, Filled and Reinforced Plastics Division
 Source Address: 5001 O'Hara Drive, Evansville, Indiana 47711
 Mailing Address: 5001 O'Hara Drive, Evansville, Indiana 47711
 FESOP Renewal No.: F 163-13771-00120

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

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked ANo deviations occurred this reporting period@.	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

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

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

**Addendum to the
Technical Support Document (TSD) for a Significant Permit Revision to a Federally
Enforceable State Operating Permit (FESOP)**

Source Background and Description

Source Name:	Ferro Corporation, Filled and Reinforced Plastics Division
Source Location:	5001 O'Hara Drive, Evansville, Indiana 47711
County:	Vanderburgh
SIC Code:	3087
Operation Permit No.:	SPR-163-24005-00120
Permit Reviewer:	Alic Bent/EVP

On October 24, 2007, the Office of Air Quality (OAQ) had a notice published in the Evansville Courier, Evansville, Indiana, stating that Ferro Corporation, Filled and Reinforced Plastics Division had applied for a Significant Permit Revision to their manufacturing plant engaged in the custom compounding of purchased resins. The notice also stated that OAQ proposed to issue a Significant Permit Revision for this operation and provided information on how the public could review the proposed Significant Permit Revision and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this Significant Permit Revision should be issued as proposed.

On November 12, 2007, Dona J. Bergman of the Evansville Environmental Protection Agency (EEPA) submitted comments on the proposed Significant Permit Revision. The summary of the comment and corresponding responses is as follows (bolded language has been added and the language with a line through it has been deleted):

Comment 1:

C.2 (a) - Opacity:

The Evansville EPA believes the 6-minute opacity limit should be 30% due to the fact the Ferro facility is within Evansville city limits. Please review 326 IAC 5-1-1 (c) (7) and 326 IAC 5-1-2 (2) (a) for applicability and Opacity limit respectively.

Response 1:

326 IAC 5-1-1 (c)(7) states that 326 IAC 5-1-2 (2) applies to sources or facilities located in Vanderburgh County, the area included in the city of Evansville and Pigeon Township. IDEM has interpreted this as any area in the city of Evansville or the portions of Pigeon Township that extends beyond the city limits. Ferro is located within the city limits. Therefore, IDEM has determined that the 6-minute opacity limit should be 30%. Condition C.2 (a) has been revised as shown below:

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%)~~ **thirty percent (30%)** in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

Comment 2

D.1.1(d) - Particulate Matter PM10:

EX30 is part of the pellet transfer system, handling excess air from the pneumatic pellet transfer lines and is intrinsic to the material handling system. EX30 does not control emissions from the blenders. This subsection should be revised to read as follows:

~~The baghouse identified as EX30 controlling the blenders in Building 2 shall be in operation at all times the emission units vented to the baghouse are in operation and the PM10 emissions from EX 30 shall not exceed 8.8 pounds per hour, which is equivalent to 38.54 tons per year.~~

D.1.3 (a) - Particulate Control:

The EEPA believes references to Building 2 should be removed because unit EX30 does not control emissions from the blenders or extruders. EX30 handles excess air from the pneumatic pellet transfer system.

D.1.5 (a) - Visible Emissions Notations:

The EEPA believes the reference to EX30 in this section should be removed because unit EX30 is not used as a pollution control device, but is part of the material handling system. Daily visible emission checks would not provide compliance assurance.

D.1.6 - Parametric Monitoring:

The EEPA believes the reference to EX30 in this section should be removed because unit EX30 is not a pollution control device, but is part of the material handling system. Parametric monitoring of this unit will not provide compliance assurance.

D.1.8 (a) - Record Keeping Requirement:

Should be revised to read as follows:

"To document compliance with Condition D.1.5, the Permittee shall maintain records of visible emission notations of the ~~truck unloading, blenders, extruding and regrinding~~ **EX1 and EX2** stack exhaust once per day. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).

Response 2

IDEM OAQ previously determined that baghouse EX30 is an integral part of the raw material handling pneumatic transfer system to blenders C22, C23, C24, and C25, and not as a pollution control device. Revisions to Conditions D.1.1, D.1.3, D.1.5 and D.1.8 to indicate that EX30 is an integral part of the process were inadvertently omitted from the draft permit. Therefore, Conditions D.1.1, D.1.3, D.1.5 and D.1.8 are revised as follows:

D.1.1 Particulate Matter Less Than 10 Microns (PM10) [326 IAC 2-8] [326 IAC 2-1.1-5]

Pursuant to 326 IAC 2-8 (FESOP):

- (d) ~~The baghouse identified as EX30 controlling the blenders in Building 2 shall be in operation at all times the emission units vented to the baghouse are in operation and the~~ PM10 emissions from EX30 **(integral part of the process)** shall not exceed 8.8 pounds per hour, which is equivalent to 38.54 tons per year.

D.1.3 Particulate Control

- (a) In order to comply with D.1.1 and D.1.2, the baghouse for particulate control shall be in operation and control emissions from the Building 1 ~~and 2~~ extruders and blenders at all times that the extruders and blenders are in operation.

D.1.5 Visible Emissions Notations

- (a) Visible emission notations of EX1, **and EX2**, ~~and EX3~~ shall be performed once per day during plant production operations. A trained employee shall record whether emissions are normal or abnormal.

D.1.6 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouses used in conjunction with the Building 1 ~~and 2~~ blenders and extruders, at least once per day when the processes are in operation. When for any one reading, the pressure drop across the baghouses EX1, **and EX2**, ~~and EX3~~ is outside the normal range of 0.8 to 6.0 inches of water, or a range established during the latest stack test and baghouses EX3, and EX4 is outside the normal range of 0.2 to 4.0 inches of water, or a range established during the most recent stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.1.8 Record Keeping Requirements

- (a) To document compliance with Condition D.1.5, the Permittee shall maintain records of visible emission notations of the ~~truck unloading, blenders, extruding and regrinding~~ **EX1 and EX2** stack exhaust once per day. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).

Upon further review IDEM, OAQ has made the following changes to the FESOP Significant Permit Revision (additions in **bold**, deletions in ~~strikeout~~):

1. IDEM, OAQ has revised the cover page of the permit as shown below:

Operation Permit No.: F163-13771-00120	
Original Signed by: Paul Dubenetzky, Assistant Commissioner Office of Air Quality	Issuance Date: March 8, 2006 Expiration Date: March 8, 2011

First Significant Permit Revision No.: 163-24005-00120	Pages Affected: Entire Permit
Issued by: Nisha Sizemore, Chief Matthew Stuckey, Deputy Branch Chief Permits Branch Office of Air Quality	Issuance Date: Expiration Date: March 8, 2011

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

Technical Support Document (TSD) for a Significant Permit Revision to a
Federally Enforceable State Operating Permit

Source Background and Description

Source Name:	Ferro Corporation, Filled and Reinforced Plastics Division
Source Location:	5001 O'Hara Drive, Evansville, Indiana 47711
County:	Vanderburgh
SIC Code:	3087
Operation Permit No.:	F163-13771-00120
Operation Permit Issuance Date:	March 8, 2006
Significant Permit Revision No.:	163-24005-00120
Permit Reviewer:	Alic Bent /EVP

The Office of Air Quality (OAQ) has reviewed a revision application from Ferro Corporation, Filled and Reinforced Plastics Division relating to the operation of a manufacturing plant engaged in the custom compounding of purchased resins.

History

On March 24, 2006, Ferro Corporation, Filled and Reinforced Plastics Division filed a petition for Administrative Review and request for a Stay of effectiveness for the FESOP Renewal F163-13771-00120. Seven (7) issues of concern were raised by Ferro in its March 24, 2006 application letter. A summary of the issues proposed for review consideration are as follows:

- (a) The source requested that Section A.1 - General Information be revised to correctly state that Vanderburgh County is attainment for ozone. The current permit incorrectly states that Vanderburgh County is basic nonattainment for ozone under the 8-hour standard.
- (b) The source requested that C.2 – Opacity be revised to reflect that Ferro based on its location in Center Township, is subject to 326 IAC 5-1-2 (2)(1) and as such, Ferro shall be subject to opacity limitations that 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. The current permit incorrectly states that the opacity limitations shall not exceed an average of thirty percent (30%).
- (c) The source requested that C.17 - General Reporting Requirements be revised such that the quarterly report is changed to a semi-annual report as in their original FESOP.
- (d) The source requested that Condition D.1.2 - Particulate Matter (PM) be revised to include the 326 IAC 6-3-1 regulation, which has allowable rate of emission based on process rate weights. The source believes that the 326 IAC 6.5-1-2 (a) regulation that is currently included in the permit is an error.
- (e) The source stated that the EX30 is a dust collector which is a part of the raw material handling pneumatic transfer system to blenders C22, C23, C24 and C25. EX30 is not a device for pollution control. The source requested revisions to the baghouse description for baghouse EX30 to accurately reflect that EX30 is a dust collector and not a control

device for pollution control.

- (f) Ferro believes that the date requirement for stack testing in Condition D.1.4 places the source in violation of the permit from the date of the issuance. The source requested that the permit be revised to state that the Permittee shall perform PM and PM-10 testing on baghouses EX1 and EX2 no later than five (5) years from the date of the permit, March 8, 2006.
- (g) The source requested that the permit be revised to state that the visible emission notations of EX1, EX2 and EX30 exhausting to the atmosphere shall be performed once per day during plant production operations.

Resolution of six (6) of the seven (7) issues of concern related to Ferro's FESOP Renewal were agreed upon June 27, 2006, and mediation of the remaining issue of concern occurred October 3, 2006.

Existing Approvals

The source was issued a FESOP (F163-13771-00120) on March 8, 2006.

Enforcement Issue

There are no enforcement actions pending.

Emission Calculations

There are no emission calculations included for the permit revision to this source.

Justification for Modification

The FESOP is being modified through a Significant Permit Revision. This revision which includes changing the opacity limit from thirty percent (30%) to forty percent (40%) is being performed pursuant to 326 IAC 2-8-11.1(f)(1).

County Attainment Status

The source is located in Vanderburgh County.

Pollutant	Status
PM-10	Attainment
PM-2.5	Nonattainment
SO ₂	Attainment
NO ₂	Attainment
8-hour Ozone	Attainment
CO	Attainment
Lead	Attainment

- (a) U.S.EPA in Federal Register Notice 70 FR 943 dated January 5, 2005 has designated Vanderburgh County as nonattainment for PM2.5. On March 7, 2005 the Indiana Attorney General's Office on behalf of IDEM filed a law suit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of non-attainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for violation of the Clean Air Act, the OAQ is following the U.S. EPA's guidance to regulate PM10 emissions as a surrogate for PM2.5 emissions pursuant to the Non-attainment New Source Review requirements.

- (b) Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC emissions and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Vanderburgh County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (c) Vanderburgh County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 redesignating Delaware, Greene, Jackson, Vanderburgh, Vigo and Warrick Counties to attainment for the eight-hour ozone standard.
- (e) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are not counted toward determination of PSD or Emission Offset applicability.

Federal Rule Applicability - Revision

There are no new federal rules included for the permit revision to this source.

State Rule Applicability - Revision

The following state rule applicability determination has been revised as a result of this permit revision:

326 IAC 5-1 (Opacity Limitations)

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

- (a) Opacity shall not exceed an average of forty percent (40%) 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.

The source shall continue to comply with all other applicable state rule requirements and permit conditions as contained in FESOP F163-13771-00120.

Changes Proposed

The changes listed below have been made to the FESOP (F163-13771-00120). Deleted language appears as ~~strike throughs~~ and new language appears in **bold**. In addition to the changes specified below revisions are made to the Table of Contents pursuant to addition of new conditions without replication herein.

Proposed Change 1:

The source location status in Section A.1 – General Information indicates that Vanderburgh County is basic nonattainment for ozone under the 8-hour standard. Ferro Corporation requested revisions to the permit to indicate that Vanderburgh County is attainment for ozone.

Resolution 1:

IDEM agreed that Vanderburgh County was redesignated as attainment for ozone on October 25, 2006, consistent with the State Implementation Plan (SIP), and that such redesignation information should be reflected in Ferro Corporation's FESOP renewal. The source location status in Section A.1 has been revised to indicate that Vanderburgh County is attainment for ozone.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a manufacturing plant engaged in the custom compounding of purchased resins.

Authorized individual:	Operations Manager
Source Address:	5001 O'Hara Drive, Evansville, Indiana 47711
Mailing Address:	5001 O'Hara Drive, Evansville, Indiana 47711
General Source Phone:	(812) 423-5218
SIC Code:	3087
Source Location Status:	Vanderburgh Nonattainment for PM2.5 Basic nonattainment for Ozone under the 8-hour standard Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, Section 112 of the Clean Air Act Minor Source, under PSD Minor Source, under Nonattainment NSR

Proposed Change 2:

Ferro Corporation requested revisions to Condition C.2 – Opacity to reflect that Ferro Corporation based on its location in Center Township, is subject to 326 IAC 5-1-2 (2)(1) and as such, Ferro Corporation shall be subject to opacity limitations that 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. The current permit incorrectly states that the opacity limitations shall not exceed an average of thirty percent (30%).

Resolution 2:

IDEM agreed that Ferro Corporation, based on its location in Center Township, is subject to 326 IAC 5-1-2 (2)(1) and as such, the permit has been revised to state that Ferro Corporation shall be subject to opacity limitations that 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.

C.2 Opacity [326 IAC 5-1]

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

- (a) Opacity shall not exceed an average of ~~thirty percent (30%)~~ **forty percent (40%)** in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

Proposed Change 3:

Ferro Corporation requested revisions to Condition C.17 - General Reporting Requirements to change the quarterly report to a semi-annual report as in their original FESOP.

Resolution 3:

IDEM has determined that the quarterly reporting requirement for Ferro Corporation is necessary for the source to show compliance with the FESOP. There are no changes to the permit as a result of this proposed change.

Proposed Change 4:

Ferro Corporation requested corrections to Condition D.1.2 - Particulate Matter (PM) to include the 326 IAC 6-3-1 regulation, which has allowable rate of emission based on process rate weights. The source believed that the 326 IAC 6.5-1-2 (a) regulation that is currently in the permit is incorrect since the PM emissions are limited by the FESOP to less than 100 tons per year, and the actual PM emissions from the stack test are less than 10 tons per year.

Resolution 4:

IDEM reviewed the emission calculations and determined that Section 326 IAC 6.5 is applicable to Ferro Corporation's operation based on the calculations for actual emissions which relied upon Ferro Corporation's potential to emit with controls. There are no changes to the permit as a result of this proposed change.

Proposed Change 5:

Ferro Corporation stated that there is an error in the baghouse EX30 information. EX30 is a dust collector that is a part of the raw material handling pneumatic transfer system to blenders C22, C23, C24 and C25. Ferro Corporation requested revisions to the permit to indicate that EX30 is not a device for pollution control.

Ferro Corporation has submitted the following justification for the baghouse EX30 to be considered an integral part of the pneumatic conveyance system, used to convey raw material from rail cars to the blenders:

- (a) The dust collector which is used to remove the conveyed raw material from the air stream so that it can then be used in the blenders should be considered an integral part of the pneumatically conveyed bin.
- (b) The production process could not be operated without the dust collector also being in operation since the dust collector is required to ensure that all of the raw materials are used in the process.

Resolution 5:

Based on the above justifications provided by Ferro Corporation and resolution agreed upon by IDEM OAQ and Ferro Corporation, IDEM OAQ considers baghouse EX30 as an integral part of the raw material handling pneumatic transfer system to blenders C22, C23, C24, and C25, and not as a pollution control device. The facility description for baghouse EX30 is revised as follows:

- (b) Building 2, which is capable of processing 17,344 pounds of raw materials per hour, consists of the following:

- (1) Five (5) blenders C22, C23, C24, C25 and C45, capable of blending 17,344 pounds of raw materials per hour, **with raw materials conveyed from rail cars to the blenders using a pneumatic transfer system equipped with an integral baghouse EX30.** ~~The PM10 emissions are controlled by baghouse EX 30;~~ and

Proposed Change 6:

Ferro Corporation proposed revisions to Condition D.1.4 – Testing Requirement to state “To demonstrate compliance with the PM and PM10 limits in D.1.1 and D.1.2, the Permittee shall perform PM and PM-10 testing on baghouses EX1 and EX2 no later than five (5) years from March 8, 2006.”

Resolution 6:

IDEM agreed to revise Condition D.1.4 to state that Ferro Corporation must demonstrate compliance with the PM and PM10 limits in D.1.1 and D.1.2, the Permittee shall perform PM and PM-10 testing on baghouses EX1 and EX2 no later than five (5) years from the date of the permit issuance, which was March 8, 2006 as shown below:

D.1.4 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

To demonstrate compliance with the PM and PM10 limits in D.1.1 and D.1.2, the Permittee shall perform PM and PM-10 testing on baghouses EX1 and EX2 no later than five (5) years from ~~December 1, 1998~~ **March 8, 2006** utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM-10 includes filterable and condensible PM-10. Testing shall be conducted in accordance with Section C - Performance Testing.

Proposed Change 7:

Ferro Corporation proposed revisions to Condition D.1.5 – Visible Emissions Notations to state that the visible emission notations of EX1, EX2 and EX30 exhausting to the atmosphere shall be performed once per day during plant production operations.

Resolution 7:

IDEM agreed to revise Condition D.1.5 to state that the visible emission notations of EX1, EX2 and EX30 shall be performed once per day during plant production operations.

D.1.5 Visible Emissions Notations

- (a) Visible emission notations of ~~the blenders and extruders stack exhaust in Buildings 1 and 2~~ **EX1, EX2, and EX30** shall be performed once per day during **plant production operations** ~~normal daylight operations when exhausting to the atmosphere.~~ A trained employee shall record whether emissions are normal or abnormal.

Upon further review IDEM, OAQ has made the following changes to the FESOP (additions in **bold**, deletions in ~~strikeout~~):

1. The following addresses throughout the permit have been revised to include the mailing codes for each respective department. Mailing code MC61-52 has been added for Asbestos Section addresses. Mailing code MC61-53 has been added for Permits Branch, Compliance Branch, Compliance Data Section addresses and to the cover page of the permit.

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

2. The compliance section telephone and facsimile numbers have been revised throughout the permit.
3. Condition C.2(b) has been added to the permit to make the Prevention of Significant Deterioration (PSD) not applicable for particulate matter (PM). Condition C.2(a)(1) has been revised to correct a spelling error.

C.1 Overall Source Limit [326 IAC 2-8] **[326 IAC 2-2]**

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

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant from the entire source shall be limited to less than ~~one hundred~~ **one hundred** (100) tons per twelve (12) consecutive month period.

(b) The potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period. This limitation shall make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

4. Condition C.15(b) has been revised to correct grammatical errors.

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

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in ~~one hundred and twenty~~ **one hundred twenty** (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

5. Condition C.11 has been revised to include some missing commas.

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

6. Conditions D.1.8(a) and D.1.8(b) have been revised as follows for clarification:

D.1.8 Record Keeping Requirements

- (a) To document compliance with Condition D.1.5, the Permittee shall maintain records of visible emission notations of the truck unloading, blenders, extruding and regrinding stack exhaust once per day. **The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).**
- (b) To document compliance with Condition D.1.6, the Permittee shall maintain records once per day of the pressure drop. **The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g. the process did not operate that day).**

7. Condition A.5, Prior Permits Superseded, has been removed from Section A. This condition is now in Section B.

~~A.5~~**B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5]**

- (a) **All terms and conditions of permits established prior to F163-13771-00120 and issued pursuant to permitting programs approved into the state implementation plan have been either:**
- (1) **incorporated as originally stated,**
 - (2) **revised, or**
 - (3) **deleted.**
- (b) **All previous registrations and permits are superseded by this permit.**

8. Condition B.1, Permit No Defense, has been removed from Section B. This condition is now on the FESOP title page.

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

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

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

9. Conditions B.3 (Permit Term) (now re-numbered B.2), B.8 (Duty to Provide Information) (now re-numbered B.7), B.16 (Permit Renewal) (now re-numbered B.17) and B.18 (Operational Flexibility) (now re-numbered B.19) have been revised for clarification purposes. Condition B.5 (Termination of Right to Operate) has been moved to B.14. Also, a new Condition B.3 (Terms of Condition) has been added.

B.3B.2 Permit Term [326 IAC 2-8-4(2)] [326 IAC 2-1.1-9.5] [IC 13-15-3-6(a)]

~~This permit is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date.~~

- (a) This permit, F163-13771-00120, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

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

- (a) The Permittee shall furnish to IDEM, OAQ, and Evansville EPA within a reasonable time, any information that IDEM, OAQ, and Evansville EPA 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~~ **an** "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ, and Evansville EPA copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. ~~when~~ **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.16B.17 Permit Renewal [326 IAC 2-8-3(h)]

~~(b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]~~

~~(1) — A timely renewal application is one that is:~~

~~(A)(1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and~~

~~(B)(2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and Evansville EPA on or before the date it is due.~~

~~(2) — If IDEM, OAQ and Evansville EPA upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.~~

~~(c) Right to Operate After Application for Renewal [326 IAC 2-8-9]~~

~~If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ and Evansville EPA takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ and Evansville EPA, any additional information identified as **being** needed to process the application.~~

B.18B.19 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

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

10. In the Nonrule Policy Document AIR 007 NPD (www.in.gov/idem/rules/policies/air/nrpd007.pdf), a table is given as an example for how sources can submit annual compliance certifications. B.11 (Annual Compliance Certification) (now re-numbered B.10) is being revised to remove "in letter form" so that it does not contradict the Nonrule Policy Document.

B.11B.10 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All 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:

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

11. Condition B.19 (Permit Revision Requirement) (now re-numbered B.20) has been revised and re-named "Source Modification Requirement".

B.19B.20 Permit Revision Source Modification Requirement [326 IAC 2-8-11.1]

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

12. All the conditions in a FESOP are federally enforceable, therefore, Condition C.7 has been modified as follows:

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (g) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. ~~The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.~~

Recommendation

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

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

An application for the purposes of this review was received on November 28, 2006.

Conclusion

The operation of this manufacturing plant engaged in the custom compounding of purchased resins shall be subject to the conditions of the attached proposed **Significant Permit Revision No. 163-24005-00120**.