



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

TO: Interested Parties / Applicant

DATE: March 12, 2012

RE: Fritz Enterprises, Inc. / 127-31189-00123

FROM: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision: Approval – Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-17-3-4 and 326 IAC 2, this permit modification is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of a Title V operating permit or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impracticable to raise such issues, or if the grounds for such objection arose after the comment period.

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency
401 M Street
Washington, D.C. 20406

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



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David Splan
Fritz Enterprises, Inc.
1650 W. Jefferson
Trenton, Michigan 48183

March 12, 2012

Re: 127-31189-00123
Significant Permit Modification to
Administrative Part 70 Operating Permit No.:
T127-30717-00123

Dear Mr. Splan,

Fritz Enterprises, Inc. was issued an Administrative Part 70 Operating Permit (T127-30717-00123) on October 12, 2011, for a stationary screening operation. A letter requesting changes to this permit was received on November 9, 2011, relating to construction and operation of one (1) Magnetic Separator/Conveyor, identified as (MAG-1), and the one (1) Caterpillar diesel engine, identified as D-2. Pursuant to the provisions of 326 IAC 2-7-12, a significant permit modification is hereby approved as described in the attached Technical Support Document.

All other conditions of the permit shall remain unchanged and in effect. Please find attached the entire Administrative Part 70 Operating Permit as modified.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Angela Taylor, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, and ask for Angela Taylor or extension 4-5329, or dial (317) 234-5329.

Sincerely,

Chrystal A. Wagner, Section Chief
Permits Branch
Office of Air Quality

Attachments:
Revised Permit
Technical Support Document
Calculations

CC: File - Porter County
U.S. EPA, Region V
Porter County Health Department
Compliance and Enforcement Branch

APT



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ADMINISTRATIVE PART 70 OPERATING PERMIT OFFICE OF AIR QUALITY

Fritz Enterprises, Inc.
250 W. Highway 12, Burns Harbor, Indiana 46304

(herein known as the Permittee) is hereby authorized to construct and 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 provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-7-10.5, applicable to those conditions.

Administrative Part 70 Operation Permit No.: T127-30717-00123	
Issued by:	Issuance Date: October 12, 2011
Chrystal A. Wagner, Section Chief Permits Branch Office of Air Quality	Expiration Date: October 12, 2016

Significant Permit Modification No.: 127-31189-00123	
Issued by:	Issuance Date: March 12, 2012
 Chrystal A. Wagner, Section Chief Permits Branch Office of Air Quality	Expiration Date: October 12, 2016

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SECTION A SOURCE SUMMARY

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

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(15)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary screening operation.

Source Address:	250 W. Highway 12, Burns Harbor, Indiana 46304
General Source Phone Number:	(734) 362-3200
SIC Code:	5093
County Location:	Porter
Source Location Status:	Nonattainment for PM _{2.5} standard Attainment for all other criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD and Nonattainment NSR Rules Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

A.2 Part 70 Source Definition [326 IAC 2-7-1(22)]

Fritz Enterprises, Inc. owns and operates a screening operation, and is a contractor of ArcelorMittal, LLC, a steel works operation.

The steel works operation consists of a primary source, ArcelorMittal Burns Harbor, LLC (Plant ID 127-00001), located at 250 West U.S. Highway 12, Burns Harbor, Indiana and its contractors. The contractors listed below were issued separate Part 70 operating permits solely for administrative purposes:

- (a) Indiana Flame (T127-00098);
- (b) Levy Company, Inc. (T127-00026);
- (c) Mid-Continent Coal and Coke (T127-00108);
- (d) Oil Technology (T127-00074);
- (e) SMS Mill Services, LLC (T127-00076);
- (f) Beemsterboer Slag Corp (127-00116);
- (g) Mid-Continental Coal and Coke (127-00117);
- (h) Calumite Company, LLC (127-00024);
- (i) Fritz Enterprises, Inc. (127-00123)

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

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

- (a) One (1) screen, identified as PS-1, approved for construction in 2011, with a maximum capacity of 300 tons per hour, utilizing wet suppression as particulate control
- (b) One (1) reciprocating internal combustion diesel engine, identified as D-1, approved in 2011 for construction/installation, utilized as part of PS-1, with a maximum capacity of 168 Horsepower, utilized to power the screening operation (PS-1), and is 100% portable.
- (c) One (1) Magnetic Separator/Conveyor, identified as (MAG-1), approved in 2012 for construction, with a maximum capacity of 300 tons per hour, using wet suppression as particulate control; and
- (d) One (1) Caterpillar diesel engine, identified as D-2, approved in 2012 for construction/installation, with a maximum capacity of 200 Horsepower, utilized to power the magnetic separator/conveying operations, and is 100% portable.

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

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

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

SECTION B GENERAL CONDITIONS

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

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

B.2 Revocation of Permits [326 IAC 2-1.1-9(5)]

Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

B.3 Affidavit of Construction [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4]

This document shall also become the approval to operate pursuant to 326 IAC 2-5.1-4 when prior to the start of operation, the following requirements are met:

- (a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed as proposed in the application or the permit. The emission units covered in this permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM if constructed as proposed.
- (b) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2 and an Operation Permit Validation Letter is issued.
- (c) The Permittee shall attach the Operation Permit Validation Letter received from the Office of Air Quality (OAQ) to this permit.

B.4 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

- (a) This permit, T127-30717-00123, 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, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

B.5 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.6 Enforceability [326 IAC 2-7-7] [IC 13-17-12]

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

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

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

B.8 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

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

B.9 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.10 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

- (a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:
 - (1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(34), and
 - (2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) A "responsible official" is defined at 326 IAC 2-7-1(34).

B.11 Annual Compliance Certification [326 IAC 2-7-6(5)]

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

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

and

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

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

B.12 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)][326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

The Permittee shall implement the PMPs.

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (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.13 Emergency Provisions [326 IAC 2-7-16]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, or Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Northwest Regional Office phone: (219) 757-0265; fax: (219) 757-0267.

- (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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
 - (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.
 - (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
 - (g) 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.

B.14 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

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

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

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

- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.15 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

- (a) All terms and conditions of permits established prior to T127-30630-00123 and issued pursuant to permitting programs approved into the state implementation plan have been either:
- (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this combined permit, all previous registrations and permits are superseded by this combined new source review and part 70 operating permit.

B.16 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

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

B.17 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

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

B.18 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

- (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 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 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.19 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.20 Permit Revision Under Economic Incentives and Other Programs
[326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

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

B.21 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) without a prior permit revision, if each of the following conditions is met:
 - (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
 - (3) The changes do not result in emissions which exceed the 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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and
 - (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b),(c), or (e). 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 in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:
- (1) A brief description of the change within the source;
 - (2) The date on which the change will occur;
 - (3) Any change in emissions; and
 - (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-7-20(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 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) 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.22 Source Modification Requirement [326 IAC 2-7-10.5]

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

B.23 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) 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 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 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 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.24 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

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

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.25 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][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) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.26 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][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

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

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Opacity [326 IAC 5-1]

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

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

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

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

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

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

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

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

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

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled using wet suppression. The provisions of 326 IAC 6-5 are not federally enforceable.

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

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

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

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

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

- (e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, 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 Licensed 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 Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

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

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

- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial startup, whichever is later, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

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

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(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 2-7-5][326 IAC 2-7-6]

C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

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

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

no later than 180 days from the date on which this source commences operation.

The ERP does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

C.14 Risk Management Plan [326 IAC 2-7-5(12)] [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.15 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

- (a) The Permittee shall take reasonable response steps to 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 excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned or are returning 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 normal or usual manner of operation.
- (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; and/or
 - (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 record the reasonable response steps taken.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.

- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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

C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

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

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2][326 IAC 2-3]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.
- (c) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A), 40 CFR 51.165(a)(6)(vi)(B), 40 CFR 51.166(r)(6)(vi)(a), and/or 40 CFR 51.166(r)(6)(vi)(b)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or

326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

- (1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, document and maintain the following records:
 - (A) A description of the project.
 - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
 - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
 - (i) Baseline actual emissions;
 - (ii) Projected actual emissions;
 - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1 (mm)(2)(A)(iii); and
 - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
- (d) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A) and/or 40 CFR 51.166(r)(6)(vi)(a)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:
 - (1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
 - (2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2]

- (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 except that 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. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The

Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

- (b) The address for report submittal is:
- Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. 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.
- (e) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:
- (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C - General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1(xx) and/or 326 IAC 2-3-1(qq), for that regulated NSR pollutant, and
 - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).
- (f) The report for project at an existing emissions unit shall be submitted no later than sixty (60) days after the end of the year and contain the following:
- (1) The name, address, and telephone number of the major stationary source.
 - (2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.
 - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
 - (4) Any other information that the Permittee wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.

Reports required in this part shall be submitted to:

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

- (g) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C - General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

C.20 Compliance with 40 CFR 82 and 326 IAC 22-1

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

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) screen, identified as PS-1, approved for construction in 2011, with a maximum capacity of 300 tons per hour, utilizing wet suppression as particulate control
- (b) One (1) reciprocating internal combustion diesel engine, identified as D-1, approved in 2011 for construction/installation, utilized as part of PS-1, with a maximum capacity of 168 Horsepower, utilized to power the screening operation (PS-1), and is 100% portable.
- (c) One (1) Magnetic Separator/Conveyor, identified as (MAG-1), approved in 2012 for construction, with a maximum capacity of 300 tons per hour, using wet suppression as particulate control; and
- (d) One (1) Caterpillar diesel engine, identified as D-2, approved in 2012 for construction/installation, with a maximum capacity of 200 Horsepower, utilized to power the magnetic separator / conveying operations, and is 100% portable.

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

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

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

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the loaders, feeders, screens, and conveyors/stackers (identified as PS-1 and MAG-1) shall not exceed the pounds per hour limits as shown in the following table:

Emission Unit ID	Components	Particulate Emission Rate	
		Process Weight Rate (tons/hr)	Allowable Particulate Emission Rate (lb/hr)
PS-1	Screen	300	63
	feeder	300	63
MAG-1	stacker/conveyor	300	63

The pound per hour limitations were calculated with the following equation:

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), when the process weight rate exceeds two hundred (200) tons per hour, the allowable emissions may exceed that shown in the table in 326 IAC 6-3-2(e) provided the concentration of particulate in the discharge gases to the atmosphere is less than one tenth (0.10) pound per one thousand (1,000) pounds of gases.

D.1.2 Particulate Emission Limitations [326 IAC 2-2]

In order to comply with 326 IAC 2-2 (Prevention of Significant Deterioration), the following shall apply:

- (a) The throughput for the screen PS-1 shall not exceed 921,000 tons per twelve (12) consecutive month period, with compliance determined at the end of the month.
- (b) The emissions from screen PS-1 shall not exceed the following:

Pollutant	Emission Limit (lb/ton of material processed)
PM	0.025
PM ₁₀	0.0087

- (c) The emissions from diesel combustion at screen PS-1 from the diesel engine identified as D-1, shall not exceed the following:

Pollutant	Emission Limit (lb/hp-hr)
PM	0.0022
PM ₁₀	0.0022

- (d) The operating hours for the diesel combustion engine (D-1) shall not exceed 3,075 hours per twelve (12) consecutive month period with compliance determined at the end of each month.
- (e) The throughput for the Magnetic Separator/Conveyor MAG-1 shall not exceed 921,000 tons per twelve (12) consecutive month period, with compliance determined at the end of the month.
- (f) The emissions from Magnetic Separator/Conveyor (MAG-1), shall not exceed the following:

Pollutant	Emission Limit (lb/ton of material processed) Feeder	Emission Limit (lb/ton of material processed) Conveyor/Stacker
PM	0.0088	0.003
PM ₁₀	0.0043	0.0011

- (g) The emissions from diesel combustion (D-2) at Magnetic Separator/Conveyor (MAG-1), shall not exceed the following:

Pollutant	Emission Limit (lb/hp-hr)
PM	0.0022
PM ₁₀	0.0022

- (h) The operating hours for the diesel combustion engine (D-2) shall not exceed 3,075 hours per twelve (12) consecutive month period with compliance determined at the end of each month.

Compliance with these emission limits will ensure that the potential to emit from this modification is less than twenty-five (25) tons of PM and less than fifteen (15) tons of PM₁₀; therefore, the requirements of 326 IAC 2-2 are not applicable.

D.1.3 Particulate Emission Limitations [326 IAC 2-3]

In order to comply with 326 IAC 2-3 (Emission Offset), the following shall apply:

- (a) The throughput for the screen PS-1 shall not exceed 921,000 tons per twelve (12) consecutive month period, with compliance determined at the end of the month.

- (b) The emissions from screen PS-1 shall not exceed the following:

Pollutant	Emission Limit (lb/ton of material processed)
PM	0.025
PM ₁₀	0.0087

- (c) The emissions from diesel combustion at screen PS-1 from the diesel engine identified as D-1, shall not exceed the following:

Pollutant	Emission Limit (lb/hp-hr)
PM	0.0022
PM ₁₀	0.0022

- (d) The operating hours for the diesel combustion engine (D-1) shall not exceed 3,075 hours per twelve (12) consecutive month period with compliance determined at the end of each month.

- (e) The throughput for the Magnetic Separator/Conveyor MAG-1 shall not exceed 921,000 tons per twelve (12) consecutive month period, with compliance determined at the end of the month.

- (f) The emissions from Magnetic Separator/Conveyor (MAG-1), shall not exceed the following:

Pollutant	Emission Limit (lb/ton of material processed) Feeder	Emission Limit (lb/ton of material processed) Conveyor/Stacker
PM	0.0088	0.003
PM ₁₀	0.0043	0.0011

- (g) The emissions from diesel combustion (D-2) at Magnetic Separator/Conveyor (MAG-1), shall not exceed the following:

Pollutant	Emission Limit (lb/hp-hr)
PM	0.0022
PM ₁₀	0.0022

- (h) The operating hours for the diesel combustion engine (D-2) shall not exceed 3,075 hours per twelve (12) consecutive month period with compliance determined at the end of each month.

Compliance with these emission limits will ensure that the potential to emit from this modification is less than ten (10) tons per year of PM_{2.5}; therefore, the requirements of 326 IAC 2-1.1-5 are not applicable.

D.1.4 Nonroad Engines [326 IAC 12] [40 CFR 60, Subpart IIII] [40 CFR 60, Subpart JJJJ] [326 IAC 20-82] [40 CFR 63, Subpart ZZZZ]

In order to render the requirements of the Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60, Subpart IIII), New Source Performance Standards for Stationary Spark Ignition Internal Combustion Engines, (40 CFR 60, Subpart JJJJ) which are incorporated by reference as 326 IAC 12, and the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR 63, Subpart ZZZZ), which are incorporated by reference as 326 IAC 20-82, not applicable, and to ensure that the two (2) diesel engines identified as D-1, and D-2 are nonroad engines, as defined

at 40 CFR 1068.30 (excluding paragraph (2)(ii) of that definition), the Permittee shall comply with the following:

- (a) The two (2) diesel engines, identified as D-1 and D-2 shall remain at a location for a period not to exceed twelve (12) consecutive months.
- (b) Any unit that replaces either or both engines, identified as D-1 and D-2, at a location and that is intended to perform the same or similar function as either or both engines replaced will be included in calculating the consecutive time period.
- (c) For the purposes of this condition and pursuant to 40 CFR 1069.30 *Nonroad Engine* (2)(iii), a location is any single site at a building, structure, facility, or installation.

Compliance with these limits shall render the requirements of the Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60, Subpart IIII), New Source Performance Standards for Stationary Spark Ignition Internal Combustion Engines, (40 CFR 60, Subpart JJJJ), and the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR 63, Subpart ZZZZ) not applicable.

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

A Preventive Maintenance Plan is required for these facilities and their control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

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

D.1.6 Fugitive Dust Control

The wet suppression used as control for the fugitive particulate emissions from the screening and conveying operations identified as PS-1 and MAG-1 shall be applied as necessary to control fugitive dust.

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

D.1.7 Record Keeping Requirements

- (a) To document the compliance status with Conditions D.1.2 and D.1.3, the Permittee shall maintain monthly records of the throughput and operating hours for the Screen (PS-1), the diesel engines (D-1 and D-2), and the conveying operations (MAG-1).
- (b) The Permittee shall maintain records of the dates of installation and removal of the two (2) diesel engines, identified as D-1 and D-2 as each is installed and removed.
- (c) Section C - General Record Keeping Requirements, of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.1.8 Reporting Requirements

A quarterly summary of the information to document the compliance status with Conditions D.1.2 and D.1.3 shall be submitted using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Fritz Enterprises, Inc.
Source Address: 250 W. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T127-30717-00123

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:

Phone:

Date:

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

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Fritz Enterprises, Inc.
Source Address: 250 W. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T127-30717-00123

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
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: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report

Source Name: Fritz Enterprises, Inc.
Source Address: 250 W. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T127-30717-00123
Facility: Diesel engines identified as D-1 and D-2
Parameter: Hours of Operation
Limit: The operating hours for the diesel combustion engines identified as D-1 and D-2 shall not exceed 3,075 hours each per twelve (12) consecutive month period with compliance determined at the end of each month.

QUARTER :

YEAR:

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

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on:

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report

Source Name: Fritz Enterprises, Inc.
Source Address: 250 W. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T127-30717-00123
Facility: Portable Screen PS-1 and Conveying Equipment MAG-1
Parameter: Material Throughput
Limit: Shall each not exceed 921,000 tons per twelve (12) consecutive month period,
with compliance determined at the end of each month

QUARTER :

YEAR:

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

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on:

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Fritz Enterprises, Inc.
Source Address: 250 W. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T127-30717-00123

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

Page 1 of 2

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

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

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

**Technical Support Document (TSD) for a
Significant Source Modification and Significant Permit Modification**

Source Description and Location
--

Source Name:	Fritz Enterprises, Inc.
Source Location:	250 Highway 12, Burns Harbor, Indiana 46304
County:	Porter
SIC Code:	5093
Administrative Part 70 Operating Permit No.:	T127-30717-00123
Operating Permit Issuance Date:	October 12, 2011
Significant Source Modification No.:	127-31128-00123
Significant Permit Modification No.:	127-31189-00123
Permit Reviewer:	APT

The Office of Air Quality (OAQ) has reviewed an application, submitted by Fritz Enterprises, Inc. on November 9, 2011, relating to the addition of conveying equipment to an existing screening operation at ArcelorMittal Burns Harbor, located at 250 W. Highway 12, Burns Harbor, Indiana 46304.

Source Definition

Fritz Enterprises, Inc. owns and operates a screening and conveying operation, and is a contractor of ArcelorMittal, LLC, a steel works operation.

The existing steel works operation consists of a primary source, ArcelorMittal Burns Harbor, LLC (Plant ID 127-00001), located at 250 West U.S. Highway 12, Burns Harbor, Indiana and its contractors. The contractors listed below were issued separate Part 70 operating permits solely for administrative purposes:

- (a) Indiana Flame (T127-00098);
- (b) Levy Company, Inc. (T127-00026);
- (c) Mid-Continent Coal and Coke (T127-00108);
- (d) Oil Technology (T127-00074);
- (e) SMS Mill Services, LLC (T127-00076);
- (f) Beemsterboer Slag Corp (127-00116);
- (g) Mid-Continental Coal and Coke (127-00117);
- (h) Calumite Company, LLC (127-00024);
- (i) Fritz Enterprises, Inc. (127-00123)

Fritz Enterprises, Inc. is also an on-site contractor and is considered to be a single major source with ArcelorMittal Burns Harbor, LLC. Fritz Enterprises, Inc. will be issued a separate Administrative Part 70 Operating Permit (T127-31189-00123) solely for administrative purposes.

Existing Approvals

The source has been operating under the following approvals:

- (a) Significant Source Modification No.: 127-30630-00123, issued on September 26, 2011; and
- (b) Administrative Part 70 Operating Permit. No.: 127-30717-00123, issued on October 12, 2011.

County Attainment Status

The source is located in Porter County.

Pollutant	Designation
SO ₂	Cannot be classified for the area bounded on the north by Lake Michigan; on the west by the Lake County and Porter County line; on the south by I-80 and I-90; and on the east by the LaPorte County and Porter County line. The remainder of Porter County is better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective May 11, 2010, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.
¹ Nonattainment Severe 17 effective November 15, 1990, for the Chicago-Gary-Lake County area, including Porter County, for the 1-hour standard which was revoked effective June 15, 2005. Basic nonattainment designation effective federally April 5, 2005, for PM _{2.5} .	

- (a) **Ozone Standards**
 Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Porter County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM_{2.5}**
 U.S. EPA, in the Federal Register Notice 70 FR 943 dated January 5, 2005, has designated Porter County as nonattainment for PM_{2.5}. On March 7, 2005, the Indiana Attorney General's Office, on behalf of IDEM, filed a lawsuit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's New Source Review Rule for PM_{2.5} promulgated on May 8, 2008. These rules became effective on July 15, 2008. Therefore, direct PM_{2.5} and SO₂ emissions were reviewed pursuant to the requirements of Nonattainment New Source Review, 326 IAC 2-1.1-5. See the State Rule Applicability – Entire Source section.
- (c) **Other Criteria Pollutants**
 Porter 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.

Fugitive Emissions

Since this source is classified as a steel mill plant, it is considered one of the twenty-eight (28) listed source categories, as specified as specified in 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7. Therefore, fugitive emissions are counted toward the determination of PSD, Emission Offset, Nonattainment NSR and Part 70 Permit applicability.

Source Status

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

Source Status PTE	
Pollutant	Emissions (ton/yr)
PM	Greater than 100
PM ₁₀	Greater than 100
PM _{2.5}	Greater than 100
SO ₂	Greater than 100
VOC	Greater than 100
CO	Greater than 100
NO _x	Greater than 100
Single HAP	Greater than 10
Total HAPs	Greater than 25

- (a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because at least one regulated pollutant is emitted at a rate of 100 tons per year or more, and it is one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (b) The emissions of CO₂e from this modification to an existing major PSD source are less than 75,000 tons per year; therefore, the requirements under 326 IAC 2-2 do not apply for CO₂e.
- (c) This existing source is a major source of HAPs, as defined in 40 CFR 63.2, because HAPs emissions are greater than ten (10) tons per year for any single HAP and greater than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).
- (d) These emissions are based upon the Technical Support Document for Significant Permit Modification No. 127-29263-00001 issued to the ArcelorMittal Burns Harbor LLC (the primary operation) on November 30, 2010 and the emissions calculations included in Appendix A of this Technical Support Document.

Description of Proposed Modification

Fritz Enterprises, Inc. owns and operates a screening operation, and is a contractor of ArcelorMittal, LLC, a steel works operation. The emission units listed below will be added through a significant source modification and significant permit modification of the Part 70 Permit (T127-6301-00001) issued to Arcelor-Mittal Burns Harbor facility on December 27, 2007.

Fritz Enterprises, Inc. was issued an Administrative Part 70 Operating Permit No.: 127-30717-00123, on October 12, 2011 for the operation of a screening operation at ArcelorMittal Burns Harbor, located at 250 W. Highway 12, Burns Harbor, Indiana. On November 9, 2011, IDEM's

Office of Air Quality (OAQ) received an application from Fritz Enterprises, Inc. relating to the addition of one (1) magnetic separator/conveyor and one (1) diesel engine. The following is a description of the proposed emission units to be added to this existing source.

- (a) One (1) Magnetic Separator/Conveyor, identified as (MAG-1), approved in 2012 for construction, with a maximum capacity of 300 tons per hour, using wet suppression as particulate control; and
- (b) One (1) Caterpillar diesel engine, identified as D-2, approved in 2012 for construction/installation, with a maximum capacity of 200 Horsepower, utilized to power the magnetic separator / conveying operations, and is 100% portable.

Enforcement Issues

There are no pending enforcement actions.

Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

Permit Level Determination – Part 70

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency.”

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

PTE Before Controls	
Pollutant	Potential To Emit (ton/yr)
PM	25.32
PM ₁₀	11.91
PM _{2.5}	8.37
SO ₂	1.80
VOC	2.16
CO	5.85
NO _x	27.16
CO ₂ e	1019.85
Single HAP (Benzene)	0.01
Total HAPs	0.02

Appendix A of this TSD reflects the unrestricted potential emissions of the modification.

This source modification is subject to 326 IAC 2-7-10.5(f) and will be issued a significant source modification, because the potential to emit of PM, and NO_x is greater than twenty-five (25) tons per year and therefore does not qualify for a minor source modification. Additionally, the modification qualifies for a significant permit modification under 326 IAC 2-7-12(d), since it does

not qualify for a minor permit modification as it involves a case-by-case determination of an emission limitation or standard.

Permit Level Determination – PSD, Emission Offset, and Nonattainment NSR

The unrestricted potential to emit of this modification is less than PSD significance thresholds; however, the addition of the new equipment is directly related to the screening operations approved for construction in the Significant Source Modification No. 127-30630-00123, issued on September 26, 2011, and the Administrative Part 70 Operating Permit No. T127-30717-00123, issued on October 12, 2011. Therefore, the potential emissions from this modification have been aggregated with the potential emissions from the recently approved source modification.

The existing Administrative Part 70 Operating Permit (T127-30717-00123) will be modified through a significant permit modification, and the emissions of all units at the source will be aggregated for the purposes of 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset). The addition of the new equipment will be incorporated into the existing facility-wide limits for this operation, and the individual unit limits have been revised accordingly to allow for the additional emission units.

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 source modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Limited (tons/year)										
Process Description	Criteria Pollutants							Regulated GHG	Hazardous Air Pollutants	
	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO		CO _{2e}	Total HAPs
New Units										
Magnetic Separator/Conveyor (MAG-1)	8.20	3.50	2.26	NA	NA	NA	NA	NA	NA	NA
Diesel Engine, D-2	0.69	0.69	0.69	0.65	9.77	0.78	3.87	366.73	NA	NA
Fugitives (loading and unloading)	3.79	1.79	0.27	NA	NA	NA	NA	NA	NA	NA
Existing Units										
Slag Screen (PS-1)	11.51	4.01	1.73	NA	NA	NA	NA	NA	NA	NA
Diesel Engine, D-1	0.58	0.58	0.58	0.54	8.20	0.65	1.77	308.05	NA	NA
Fugitives (storage)	0.21	0.21	0.21	NA	NA	NA	NA	NA	NA	NA
Total Limited PTE	24.98	10.78	5.74	1.19	17.97	1.43	5.64	674.78	NA	NA
All units at the source	< 25	< 15	< 10	NA	NA	NA	NA	NA	NA	NA
PSD Significant Emissions Levels	25	15	10	100	100	100	100	75,000	N/A	N/A

NA = Limits are not applicable for the pollutant associated with the emission unit listed.

This source is considered a major PSD and nonattainment NSR source and the aggregated unrestricted potential to emit of this modification is greater than twenty-five (25) tons of PM, fifteen (15) tons of PM₁₀ and ten (10) tons per year of PM_{2.5}. Therefore, this source has elected to limit the potential to emit of this modification as follows (new unit limits shown below, existing limit modifications are shown in the "Proposed Changes" section of this document):

New Unit Limits

- (a) The throughput for the Magnetic Separator/Conveyor MAG-1 shall not exceed 921,000 tons per twelve (12) consecutive month period, with compliance determined at the end of the month.
- (b) The emissions from Magnetic Separator/Conveyor (MAG-1), shall not exceed the following:

Pollutant	Emission Limit (lb/ton of material processed) Feeder	Emission Limit (lb/ton of material processed) Conveyor/Stacker
PM	0.0088	0.003
PM ₁₀	0.0043	0.0011
PM _{2.5}	0.0016	0.0011

- (c) The emissions from diesel combustion (D-2) at Magnetic Separator/Conveyor (MAG-1), shall not exceed the following:

Pollutant	Emission Limit (lb/hp-hr)
PM	0.0022
PM ₁₀	0.0022
PM _{2.5}	0.0022

- (d) The operating hours for the diesel combustion engine (D-2) shall not exceed 3,075 hours per twelve (12) consecutive month period with compliance determined at the end of each month.

Compliance with these emission limits will ensure that the potential to emit from this aggregated modification is less than twenty-five (25) tons of PM, less than fifteen (15) tons of PM₁₀ and less than ten (10) tons per of PM_{2.5} per year; therefore, the requirements of 326 IAC 2-2 and 326 IAC 2-1.1-5 are not applicable.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

- (a) The requirements of the New Source Performance Standard for Metallic Mineral Processing Plants, 40 CFR 60, Subpart LL (326 IAC 12), are not included in this proposed revision, since this operation is not considered a metallic mineral processing plant as defined by 60.381. This operation will not produce metallic mineral concentrates from ore obtained from a mine.
- (b) The requirements of the New Source Performance Standard for Nonmetallic Mineral Processing Plants, 40 CFR 60, Subpart OOO (326 IAC 12), are not included in this proposed revision, because slag is not considered a nonmetallic mineral as defined by 40 CFR 60.671.
- (c) The requirements of the New Source Performance Standard for Stationary Compression Ignition Internal Combustion Engines, 40 CFR 60, Subpart IIII (326 IAC 12), are not included for this proposed revision, since the one (1) Caterpillar diesel engine identified as D-2 meets the definition of a nonroad engine, as defined in 40 CFR 1068.30 (excluding paragraph (2)(ii) of that definition) and is therefore not considered a stationary internal combustion engine as defined in 40 CFR 60.4219.
- (d) The requirements of the New Source Performance Standard for Stationary Spark Ignition Internal Combustion Engines, 40 CFR 60, Subpart JJJJ (326 IAC 12), are not included

for this proposed revisions, since the one (1) Caterpillar diesel engine identified as D-2, is compression ignition and meets the definition of a nonroad engine, as defined in 40 CFR 1068.30 (excluding paragraph (2)(ii) of that definition) and is therefore not considered a stationary internal combustion engine as defined in 40 CFR 60.4248

Pursuant to 40 CFR 60.4219, stationary internal combustion engines (ICE) differ from mobile ICE in that a stationary internal combustion engine is not a nonroad engine as defined at 40 CFR 1068.30 (excluding paragraph (2)(ii) of that definition). 40 CFR 1068.30 defines a non-road engine as any internal combustion engine that, by itself or in or on a piece of equipment, is portable or transportable, meaning designed to be and capable of being carried or moved from one location to another. Indicia of transportability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, or platform.

However, 40 CFR 1068.30 also requires that a non-road engine, as defined in the previous paragraph, not remain at a site for more than twelve (12) consecutive months. Any engine (or engines) that replace the engine at a location and that is intended to perform the same or similar function as the engine replaced will be included in calculating the consecutive time period. Additionally, 40 CFR 1068.30 defines a location as any single site at a building, structure, facility, or installation.

Therefore, provided that the one (1) Caterpillar diesel engine identified as D-2 does not remain at one site for a period greater than twelve (12) months each shall meet the definition of nonroad engines and not be subject to the requirements of 40 CFR 60, Subpart IIII or Subpart JJJJ, or 40 CFR 63.6580, Subpart ZZZZ (discussed in NESHAP Section of this document).

The source has chosen to accept the following limits to ensure the engine meets the definition of nonroad engine:

- (1) The one (1) Caterpillar diesel engine identified as D-2 shall remain at a location for a period not to exceed twelve (12) consecutive months.
 - (2) Any unit that replaces the one (1) Caterpillar diesel engine identified as D-2 at a location and that is intended to perform the same or similar function as the engine replaced will be included in calculating the consecutive time period.
 - (3) For the purposes of this condition and pursuant to 40 CFR 1069.30 *Nonroad Engine* (2)(iii), a location is any single site at a building, structure, facility, or installation.
- (e) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included for this proposed revision.

NESHAP:

- (f) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63.6580, Subpart ZZZZ (326 IAC 20-84), are not included for this proposed revision, since the one (1) Caterpillar diesel engine identified as D-2 meets the definition of a nonroad engine, as defined in 40 CFR 1068.30 and is therefore not considered a stationary reciprocating internal combustion engine as defined in 40 CFR 63.6675.
- (g) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included for this proposed revision.
- (h) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to each new or modified emission units that meets the following criteria:

- (1) has a potential to emit before controls equal to or greater than the Part 70 major source threshold for the pollutant involved;
- (2) is subject to an emission limitation or standard for that pollutant; and
- (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The emissions units at this source do not have any associated control devices and are therefore not subject to the requirements of 40 CFR 64.

State Rule Applicability Determination - Entire Source

326 IAC 2-1.1-5 (Nonattainment New Source Review)

Nonattainment New Source Review applicability is discussed under the Permit Level Determination – PSD and Emission Offset section.

326 IAC 2-2 and 2-3 (PSD and Emission Offset)

PSD and Emission Offset applicability is discussed under the Permit Level Determination – PSD and Emission Offset section.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

The operation of the Magnetic Separator/Conveyor (MAG-1) has potential emissions of any single HAP that are less than ten (10) tons per year and the potential to emit of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, 326 IAC 2-4.1 does not apply to this modification.

326 IAC 2-6 (Emission Reporting)

Since this source is located in Porter County, and has a potential to emit of greater than 250 tons per year of PM₁₀, an emission statement covering the previous calendar year must be submitted by July 1 of each year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

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:

- (1) Opacity shall not exceed an average of twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-4 (Fugitive Dust Emissions Limitations)

Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source 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.

326 IAC 9-1-2 (Carbon Monoxide Emissions Limitations)

There are no emissions units at this source that meet the definition of emissions units listed under 326 IAC 9-1-2. Therefore, carbon monoxide emissions limitations are not applicable to this source.

326 IAC 10-1 (Nitrogen Oxides Control in Clark and Floyd Counties)

This source is not subject to the requirements of this rule since it is not located in Clark or Floyd Counties. The source is located in Porter County; therefore the requirements of 326 IAC 10-1 are not applicable.

326 IAC 10-3 (Nitrogen Oxide Reduction Program for Specific Source Categories)

The source does not operate any of the specific source categories as identified in 326 IAC 10-3-1(a). Therefore the requirements of 326 IAC 10-3 are not applicable.

326 IAC 10-4 (Nitrogen Oxides Budget Training Program)

The source does not operate an electricity generating unit as defined under 326 IAC 10-4-2(16) or a large affected unit as defined under 326 IAC 10-4-2(27). Therefore the requirements of 326 IAC 10-4 are not applicable.

326 IAC 10-5 (Nitrogen Oxide Reduction Program for Internal Combustion Engines)

The source does not operate a large NOx SIP Call engine or an engine that is subject to NOx control under a compliance plan under 326 IAC 10-3. Therefore the requirements of 326 IAC 10-5 are not applicable.

State Rule Applicability Determination - Individual Facilities

Screening and Conveying

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

(a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the feeder, screens, and conveyors/stackers (identified as MAG-1) shall not exceed the pounds per hour limits as shown in the following table:

Emission Unit ID	Particulate Emission Rate			Potential Particulate Emission Rate (lb/hr)
	Components	Process Weight Rate (tons/hr)	Allowable Particulate Emission Rate (lb/hr)	
MAG-1	feeder	300	63	2.64
	stacker/conveyor	300	63	0.9

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

The uncontrolled potential particulate matter emissions from MAG-1 are less than the allowable emission rates based on calculations using emission factors from AP-42 Section 11.19.2, Crushed Stone Processing Operations. Therefore, water suppression is not needed to comply with this limit.

(b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), when the process weight rate exceeds two hundred (200) tons per hour, the allowable emissions may exceed that shown in the table in 326 IAC 6-3-2(e) provided the concentration of particulate in the discharge gases to the atmosphere is less than one tenth (0.10) pound per one thousand (1,000) pounds of gases.

Combustion Sources

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

The one (1) Caterpillar diesel engine identified as D-2, is exempt from the requirements of 326 IAC 6-3, because, pursuant to 326 IAC 1-2-59, liquid and gaseous fuels and combustion air are not considered as part of the process weight. In addition, pursuant to 326 IAC 6-3-1(b)(14), The one (1) diesel engine, identified as E1, is also exempt from the requirements of 326 IAC 6-3, because it has potential particulate emissions of less than five hundred fifty one thousandths (0.551) pound per hour.

326 IAC 7 (Sulfur Dioxide Emissions Limitations)

The one (1) Caterpillar diesel engine identified as D-2, has potential to emit of SO₂ below twenty-five (25) tons per year and 10 pounds per hour. Therefore, 326 IAC 7 does not apply.

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)

The one (1) Caterpillar diesel engine identified as D-2, is not subject to the requirements of 326 IAC 8-1-6, because the unlimited VOC potential emissions are less than twenty-five (25) tons per year.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions; however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

Changes to the compliance determination and monitoring requirements are detailed in the Proposed Changes section of this document.

Proposed Changes

The changes listed below have been made to Administrative Part 70 Operating Permit No. T127-30717-00123. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

Modification No. 1 The new emission units have been incorporated into the emission unit summary and Section D.1 as follows, and the current equipment has been distinguished as separate units:

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

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

- (a) One (1) ~~diesel-fired~~ screen, identified as PS-1, approved for construction in 2011, with a maximum capacity of 300 tons per hour, utilizing wet suppression as particulate control
- (b) One (1) reciprocating internal combustion diesel engine, identified as D-1, approved in 2011 for construction/installation, utilized as part of PS-1, with a maximum capacity of 168 Horsepower, utilized to power the screening operation (PS-1), and is 100% portable.**
- (c) **One (1) Magnetic Separator/Conveyor, identified as (MAG-1), approved in 2012 for construction, with a maximum capacity of 300 tons per hour, using wet suppression as particulate control; and**
- (d) **One (1) Caterpillar diesel engine, identified as D-2, approved in 2012 for construction/installation, with a maximum capacity of 200 Horsepower, utilized to power the magnetic separator / conveying operations, and is 100% portable.**

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) ~~diesel-fired~~ screen, identified as PS-1, approved for construction in 2011, with a maximum capacity of 300 tons per hour, utilizing wet suppression as particulate control
- (b) One (1) reciprocating internal combustion diesel engine, identified as D-1, approved in 2011 for construction/installation, utilized as part of PS-1, with a maximum capacity of 168 Horsepower, utilized to power the screening operation (PS-1), and is 100% portable.**
- (c) **One (1) Magnetic Separator/Conveyor, identified as (MAG-1), approved in 2012 for construction, with a maximum capacity of 300 tons per hour, using wet suppression as particulate control; and**
- (d) **One (1) Caterpillar diesel engine, identified as D-2, approved in 2012 for construction/installation, with a maximum capacity of 200 Horsepower, utilized to power the magnetic separator / conveying operations, and is 100% portable.**

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

Modification No. 2 The new emission units have been incorporated as appropriate into the limits and requirements in Section D.1 as follows:

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

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

~~Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate for Screen PS-1 shall not exceed 63.0 pounds per hour when operating at a process weight rate of 300 tons per hour.~~

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the loaders, feeders, screens, and conveyors/stackers (identified as PS-1 and MAG-1) shall not exceed the pounds per hour limits as shown in the following table:**

Emission Unit ID	Particulate Emission Rate		
	Components	Process Weight Rate (tons/hr)	Allowable Particulate Emission Rate (lb/hr)
PS-1	Screen	300	63
	feeder	300	63
MAG-1	stacker/conveyor	300	63

The pound per hour limitations were calculated with the following equation:

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), when the process weight rate exceeds two hundred (200) tons per hour, the allowable emissions may exceed that shown in the table in 326 IAC 6-3-2(e) provided the concentration of particulate in the discharge gases to the atmosphere is less than one tenth (0.10) pound per one thousand (1,000) pounds of gases.

D.1.2 Particulate Emission Limitations [326 IAC 2-2]

In order to comply with 326 IAC 2-2 (Prevention of Significant Deterioration), the following shall apply:

- ~~(a) The operating hours for the screen PS-1 shall not exceed 6,325 hours per twelve (12) consecutive month period with compliance determined at the end of each month.~~

- (a) The throughput for the screen PS-1 shall not exceed 921,000 tons per twelve (12) consecutive month period, with compliance determined at the end of the month.

- (b) The emissions from screen PS-1 shall not exceed the following:

Pollutant	Emission Limit (lb/ton of material processed)
PM	0.025
PM ₁₀	0.0087

- (c) The emissions from diesel combustion at screen PS-1 from the diesel engine identified as D-1, shall not exceed the following:

Pollutant	Emission Limit (lb/ton of material processed) (lb/hp-hr)
PM	0.0022
PM ₁₀	0.0022

- ~~(d) The throughput for screen PS-1 shall not exceed 1,897,500 tons per twelve (12) consecutive month period, with compliance determined at the end of the month.~~

- (d) The operating hours for the diesel combustion engine (D-1) shall not exceed 3,075 hours per twelve (12) consecutive month period with compliance determined at the end of each month.

- (e) **The throughput for the Magnetic Separator/Conveyor MAG-1 shall not exceed 921,000 tons per twelve (12) consecutive month period, with compliance determined at the end of the month.**
- (f) **The emissions from Magnetic Separator/Conveyor (MAG-1), shall not exceed the following:**

Pollutant	Emission Limit (lb/ton of material processed) Feeder	Emission Limit (lb/ton of material processed) Conveyor/Stacker
PM	0.0088	0.003
PM ₁₀	0.0043	0.0011

- (g) **The emissions from diesel combustion (D-2) at Magnetic Separator/Conveyor (MAG-1), shall not exceed the following:**

Pollutant	Emission Limit (lb/hp-hr)
PM	0.0022
PM ₁₀	0.0022

- (h) **The operating hours for the diesel combustion engine (D-2) shall not exceed 3,075 hours per twelve (12) consecutive month period with compliance determined at the end of each month.**

Compliance with these emission limits will ensure that the potential to emit from this modification is less than twenty-five (25) tons of PM and less than fifteen (15) tons of PM₁₀ per year; therefore, the requirements of 326 IAC 2-2 are not applicable.

D.1.3 Particulate Emission Limitations [326 IAC 2-3]

In order to comply with 326 IAC 2-3 (Emission Offset), the following shall apply:

- ~~(a) The operating hours for the screen PS-1 shall not exceed 6,325 hours per twelve (12) consecutive month period with compliance determined at the end of each month.~~
- (a) The throughput for the screen PS-1 shall not exceed 921,000 tons per twelve (12) consecutive month period, with compliance determined at the end of the month.**
- (b) The emissions from screen PS-1 shall not exceed the following:

Pollutant	Emission Limit (lb/ton of material processed)
PM	0.025
PM ₁₀	0.0087

- (c) The emissions from diesel combustion at screen PS-1 **from the diesel engine identified as D-1**, shall not exceed the following:

Pollutant	Emission Limit (lb/ton of material processed) (lb/hp-hr)
PM	0.0022
PM ₁₀	0.0022

- ~~(d) The throughput for screen PS-1 shall not exceed 1,897,500 tons per twelve (12) consecutive month period, with compliance determined at the end of the month.~~
- (d) The operating hours for the diesel combustion engine (D-1) shall not exceed 3,075 hours per twelve (12) consecutive month period with compliance determined at the end of each month.**

- (e) The throughput for the Magnetic Separator/Conveyor MAG-1 shall not exceed 921,000 tons per twelve (12) consecutive month period, with compliance determined at the end of the month.
- (f) The emissions from Magnetic Separator/Conveyor (MAG-1), shall not exceed the following:

Pollutant	Emission Limit (lb/ton of material processed) Feeder	Emission Limit (lb/ton of material processed) Conveyor/Stacker
PM	0.0088	0.003
PM ₁₀	0.0043	0.0011

- (g) The emissions from diesel combustion (D-2) at Magnetic Separator/Conveyor (MAG-1), shall not exceed the following:

Pollutant	Emission Limit (lb/hp-hr)
PM	0.0022
PM ₁₀	0.0022

- (h) The operating hours for the diesel combustion engine (D-2) shall not exceed 3,075 hours per twelve (12) consecutive month period with compliance determined at the end of each month.

Compliance with these emission limits will ensure that the potential to emit from this modification is less than ten (10) tons per year of PM_{2.5} per year; therefore, the requirements of 326 IAC 2-1.1-5 are not applicable.

Modification No. 3 The following condition has been added to the permit to ensure that the two (2) diesel engines identified as D-1, and D-2 are nonroad engines, as defined at 40 CFR 1068.30:

D.1.4 Nonroad Engines [326 IAC 12] [40 CFR 60, Subpart IIII] [40 CFR 60, Subpart JJJJ] [326 IAC 20-82] [40 CFR 63, Subpart ZZZZ]

In order to render the requirements of the Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60, Subpart IIII), New Source Performance Standards for Stationary Spark Ignition Internal Combustion Engines, (40 CFR 60, Subpart JJJJ) which are incorporated by reference as 326 IAC 12, and the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR 63, Subpart ZZZZ), which are incorporated by reference as 326 IAC 20-82, not applicable, and to ensure that the two (2) diesel engines identified as D-1, and D-2 are nonroad engines, as defined at 40 CFR 1068.30 (excluding paragraph (2)(ii) of that definition), the Permittee shall comply with the following:

- (a) The two (2) diesel engines, identified as D-1 and D-2 shall remain at a location for a period not to exceed twelve (12) consecutive months.
- (b) Any unit that replaces either or both engines, identified as D-1 and D-2, at a location and that is intended to perform the same or similar function as either or both engines replaced will be included in calculating the consecutive time period.
- (c) For the purposes of this condition and pursuant to 40 CFR 1069.30 *Nonroad Engine* (2)(iii), a location is any single site at a building, structure, facility, or installation.

Compliance with these limits shall render the requirements of the Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR

Part 60, Subpart III), New Source Performance Standards for Stationary Spark Ignition Internal Combustion Engines, (40 CFR 60, Subpart JJJJ), and the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR 63, Subpart ZZZZ) not applicable.

Modification No. 4 The following changes are the results of limitation and requirement changes from modifications 1 through 3:

D.1.45 Preventative Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for these facilities and their control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

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

D.1.56 Fugitive Dust Control

The wet suppression used as control for the fugitive particulate emissions from **the screening and conveying operations identified as PS-1 and MAG-1** shall be applied as necessary to control fugitive dust.

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

D.1.67 Record Keeping Requirements

- (a) To document the compliance status with Conditions D.1.2 and D.1.3, the Permittee shall maintain monthly records of the throughput and operating hours for the Screen (PS-1), **the diesel engines (D-1 and D-2), and the conveying operations (MAG-1).**
- (b) **The Permittee shall maintain records of the dates of installation and removal of the two (2) diesel engines, identified as D-1 and D-2 as each is installed and removed.**
- (bc) Section C - General Record Keeping Requirements, of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.1.78 Reporting Requirements

A quarterly summary of the information to document the compliance status with Conditions D.1.2 and D.1.3 shall be submitted using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.

Modification No. 5 The following changes to the reporting forms are the results of limitation and requirement changes from modifications 1 through 3:

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

Part 70 Quarterly Report

Source Name: Fritz Enterprises, Inc.
Source Address: 250 W. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T127-30717-00123
Facility: ~~Portable Screen PS-4~~ **Diesel engines identified as D-1 and D-2**
Parameter: Hours of Operation
Limit: **The operating hours for the diesel combustion engines identified as D-1 and D-2 shall not exceed 3,075 hours each per twelve (12) consecutive**

month period with compliance determined at the end of each month.
~~Screen PS-1 shall not exceed 6,325 hours per twelve (12) consecutive month period with compliance determined at the end of each month.~~

* * *

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report

Source Name: Fritz Enterprises, Inc.
Source Address: 250 W. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T127-30717-00123
Facility: Portable Screen PS-1 and Conveying Equipment MAG-1
Parameter: Material Throughput
Limit: Shall **each** not exceed ~~1,897,500~~ **921,000** tons per twelve (12) consecutive month period, with compliance determined at the end of each month

OAQ Change No. 1: Upon further review IDEM, OAQ has changed the wordings 'Part 70 Operating Permit Renewal' to 'Part 70 Administrative Operating Permit ' on the cover page of the permit.

ADMINISTRATIVE PART 70 OPERATING PERMIT

* * *

OAQ Change No. 2: The source location status has been updated to reflect the current attainment status as follows:

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(15)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary screening operation.

Source Address: 250 W. Highway 12, Burns Harbor, Indiana 46304
General Source Phone Number: (734) 362-3200
SIC Code: 5093
County Location: Porter
Source Location Status: ~~Nonattainment for 8-hour ozone standard~~
Nonattainment for PM_{2.5} standard

* * *

Conclusion and Recommendation

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 9, 2011.

The construction and operation of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Source Modification No. 127-31128-00123 and the

Significant Permit Modification No. T127-31189-00123. The staff recommends to the Commissioner that this Part 70 Minor Source and Significant Permit Modification be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Angela Taylor at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5329 or toll free at 1-800-451-6027 extension 4-5329.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

**Appendix A: Emission Calculations
Particulate Emissions Screening and Conveying**

Company Name: Fritz Enterprises, Inc.
Address: 250 Highway 12, Burns Harbor, Indiana 46304
County: Porter
SIC Code: 5093
Significant Source Modification No.: 127-31128-00123
Significant Permit Modification No.: T127-31189-00123
Reviewer: APT
Date: 11/17/2011

Equipment Descriptions		Unit Capacity	Throughput Capacity	EPA Emission Factors (lb/ton)			(PTE) Uncontrolled Emissions (ton/yr)			Control	Controlled Emissions (ton/yr)			Limited Throughput Capacity	Limited Emissions (ton/yr)			326 IAC 6-3-2 PM limit (lb/hr)
Unit ID	Equipment Pieces	(tph)	(tons/yr)	PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}	Efficiency	PM	PM ₁₀	PM _{2.5}	(tons/yr)	PM	PM ₁₀	PM _{2.5}	
Magnetic Separator/Conveyor (MAG-1)	¹⁾ feeder	300	2,628,000	0.0088	0.0043	0.0016	11.56	5.65	2.10	0.50	5.78	2.83	1.05	922,500	4.06	1.98	0.74	63.00
	conveyor/stacker (3 drop points)	300	2,628,000	0.003	0.0011	0.0011	11.83	4.34	4.34	0.50	5.91	2.17	2.17	922,500	4.15	1.52	1.52	63.00
Slag Screen (PS-1)	3 Deck Screen	300	2,628,000	0.025	0.0087	0.0038	32.85	11.43	4.93	0.50	16.43	5.72	2.46	922,500	11.53	4.01	1.73	63.00
Control Efficiency (wet suppression):		50%		Total			56.24	21.42	11.37	Total	28.12	10.71	5.68	Total	19.74	7.52	3.99	

¹⁾ The uncontrolled emission factor for the loading/feeder is the one for low silt batch drop from iron and steel mills. (AP-42, Chapter 12.5, Table 12.5.4 (10/86)).

Pursuant to AP-42 Chapter 12.2 Coke Production, Table 12.2-18, emissions from material transfers between conveyors and from screening operations that are controlled by wet suppression techniques can be estimated using the procedures in Section 11.19.2. The source is processing slag and iron, which would be estimated using emission factors in Section 12.5-4 for uncontrolled Particulate Emissions for Open Dust Sources at Iron and Steel Mills. The source will be required to ensure that the moisture content of the slag, iron and any other processed aggregates meet the moisture content criteria outlined in Section 11.19.2 of 0.21 to 1.3 percent by use of wet suppression.

P_{2.5} Screening Emission Factors Assumes 15% of TSP < 2.5 microns, based on AP-42 Appendix B.2, Table B.2 for Category 3 (Aggregate; Unprocessed ores)

Methodology

Emission Factors based on AP-42 Crushed Stone Processing Operations, 11.19.2, Table 11.19.2-2, Date 08/04

PS-1 Uncontrolled Emissions (tpy) = Throughput (tons/yr) * Uncontrolled Emission Factor (lb/ton) / 2000 (lb/ton)

PS-1 Controlled Emissions (tpy) = Throughput (tons/yr) * Uncontrolled Emission Factor (lb/ton) / 2000 (lb/ton) * (1 - Control Efficiency)

PS-1 Limited Emissions (tpy) = Limited Throughput (tons/yr) * Uncontrolled Emission Factor (lb/ton) / 2000 (lb/ton)

MAG-1 Uncontrolled Emissions (tpy) = Throughput (tons/yr) * Uncontrolled Emission Factor (lb/ton) / 2000 (lb/ton) * 3 DROP POINTS

MAG-1 Controlled Emissions (tpy) = Throughput (tons/yr) * Uncontrolled Emission Factor (lb/ton) / 2000 (lb/ton) * (1 - Control Efficiency) * 3 DROP POINTS

MAG-1 Limited Emissions (tpy) = Limited Throughput (tons/yr) * Uncontrolled Emission Factor (lb/ton) / 2000 (lb/ton)

Appendix A: Emission Calculations
Criteria Pollutants - Internal Combustion Engines - Diesel Fuel

Company Name: Fritz Enterprises, Inc.
Address: 250 Highway 12, Burns Harbor, Indiana 46304
County: Porter
SIC Code: 5093
Significant Source Modification No.: 127-31128-00123
Significant Permit Modification No.: T127-31189-00123
Reviewer: APT
Date: 11/17/2011

Sulfur Content (S) of Fuel (% by weight)

Reciprocating Internal Combustion Engines - Diesel Fuel
Output Rating (<600 HP)

Unlimited Potential Emissions

Emission Unit ID	Capacity (HP)	hp-hr/yr	Diesel Industrial Engines Emission Factors (lb/hp-hr)						
			PM	PM-10	PM-2.5	SOx	NOx	VOC	CO
			2.20E-03	2.20E-03	2.20E-03	2.05E-03	3.10E-02	2.47E-03	6.68E-03
			Potential Emissions (TPY)						
			PM	PM-10	PM-2.5	SOx	NOx	VOC	CO
D-1	168.00	1,471,680	1.619	1.619	1.619	1.508	22.811	1.818	4.915
D-2	200.00	1,752,000	1.927	1.927	1.927	1.796	27.156	2.164	5.852

Pollutant				
	CO2	CH4	N2O	
Emission Factor in lb/hp-hr	1.16E+00	6.35E-05	9.30E-06	
Emission Unit ID	Potential Emission in tons/yr			Summed Potential Emissions in tons/yr
D-1	8.54E+02	4.67E-02	6.84E-03	CO2e Total in tons/yr
Emission Unit ID	Potential Emission in tons/yr			Summed Potential Emissions in tons/yr
D-2	1.02E+03	5.56E-02	8.15E-03	CO2e Total in tons/yr
Total Potential Emission in tons/yr	1.87E+03	1.02E-01	1.50E-02	Grand Total CO2e Total in tons/yr
				1876.53

Methodology

Total Potential Emissions

For HP < 600

hp-hr/yr = hp * 8760 hr/yr

Emission Factors are from AP 42, Chapter 3.4, Table 3.4-1, SCC #2-02-004-01

Emission (tons/yr) = (hp-hr/yr) x Emission Factor (lb/hp-hr)/2,000 lb/ton

CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP

PM	PM-10	PM-2.5	SOx	NOx	VOC	CO	CO2e
3.546	3.546	3.546	3.304	49.967	3.981	10.767	1,876.53

Limited Emissions

Limited Hours of Operation = 3150 hours

Emission Unit ID	Capacity (HP)	Limited hp-hr/yr	Diesel Industrial Engines Emission Factors (lb/hp-hr)						
			PM	PM-10	PM-2.5	SOx	NOx	VOC	CO
			2.20E-03	2.20E-03	2.20E-03	2.05E-03	3.10E-02	2.47E-03	6.68E-03
			Potential Emissions (TPY)						
			PM	PM-10	PM-2.5	SOx	NOx	VOC	CO
D-1	168.00	516,600	0.568	0.568	0.568	0.530	8.007	0.638	1.725
D-2	200.00	615,000	0.677	0.677	0.677	0.630	9.533	0.760	2.054

Pollutant				
	CO2	CH4	N2O	
Emission Factor in lb/hp-hr	1.16E+00	6.35E-05	9.30E-06	
Emission Unit ID	Potential Emission in tons/yr			Summed Potential Emissions in tons/yr
D-1	3.00E+02	1.64E-02	2.40E-03	CO2e Total in tons/yr
Emission Unit ID	Potential Emission in tons/yr			Summed Potential Emissions in tons/yr
D-2	3.57E+02	1.95E-02	2.86E-03	CO2e Total in tons/yr
Total Potential Emission in tons/yr	6.56E+02	3.59E-02	5.26E-03	Grand Total CO2e Total in tons/yr
				658.71

Methodology

Total Limited Emissions

For HP < 600

Limited hp-hr/yr = hp * 3075 hr/yr

Emission Factors are from AP 42, Chapter 3.4, Table 3.4-1, SCC #2-02-004-01

Emission (tons/yr) = (hp-hr/yr) x Emission Factor (lb/hp-hr)/2,000 lb/ton

CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP

PM	PM-10	PM-2.5	SOx	NOx	VOC	CO	CO2e
1.245	1.245	1.245	1.160	17.540	1.398	3.780	658.71

Appendix A: Emission Calculations
HAPs - Internal Combustion Engines - Diesel Fuel

Company Name: Fritz Enterprises, Inc.
Address: 250 Highway 12, Burns Harbor, Indiana 46304
County: Porter
SIC Code: 5093
Significant Source Modification No.: 127-31128-00123
Significant Permit Modification No.: T127-31189-00123
Reviewer: APT
Date: 11/17/2011

Reciprocating Internal Combustion Engines - Diesel Fuel
Output Rating (<600 HP)

Unrestricted

Emission Unit ID	Capacity (HP)	hp-hr/yr	Diesel Industrial Engines Emission Factors (lb/hp-hr)							
			Benzene	Toluene	Xylene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH
			6.53E-06	2.86E-06	2.00E-06	2.74E-07	8.26E-06	5.37E-06	6.48E-07	1.18E-06
Potential Emissions (TPY)										
Benzene	Toluene	Xylene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH			
D-1	168.00	1,471,680	0.005	0.002	0.001	0.000	0.006	0.004	0.000	0.001
D-2	200.00	1,752,000	0.006	0.003	0.002	0.000	0.007	0.005	0.001	0.001

***PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)

Methodology

For HP < 600

hp-hr/yr = hp * 8760 hr/yr

Emission Factors are from AP 42, Chapter 3.3, Table 3.3-1, SCC #2-02-001-02 and 2-03-001-01

Emission (tons/yr) = (hp-hr/yr) x Emission Factor (lb/hp-hr)/2,000 lb/ton

Total Potential Emissions

Benzene	Toluene	Xylene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH	Total HAPs
0.011	0.005	0.003	0.000	0.013	0.009	0.001	0.002	0.044

Limited

Limited Hours of Operation = 3150 hours

Emission Unit ID	Capacity (HP)	Limited hp-hr/yr	Diesel Industrial Engines Emission Factors (lb/hp-hr)							
			Benzene	Toluene	Xylene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH
			6.53E-06	2.86E-06	2.00E-06	2.74E-07	8.26E-06	5.37E-06	6.48E-07	1.18E-06
Potential Emissions (TPY)										
Benzene	Toluene	Xylene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH			
D-1	168.00	529,200	0.002	0.001	0.001	0.000	0.002	0.001	0.000	0.000
D-2	200.00	630,000	0.002	0.001	0.001	0.000	0.003	0.002	0.000	0.000

***PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)

Methodology

For HP < 600

Limited hp-hr/yr = hp * 3075 hr/yr

Emission Factors are from AP 42, Chapter 3.3, Table 3.3-1, SCC #2-02-001-02 and 2-03-001-01

Emission (tons/yr) = (hp-hr/yr) x Emission Factor (lb/hp-hr)/2,000 lb/ton

Total Limited Emissions

Benzene	Toluene	Xylene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH	Total HAPs
0.004	0.002	0.001	0.000	0.005	0.003	0.000	0.001	0.016

**Appendix A: Emission Calculations
Fugitive Emissions from Storage and Loading/Unloading**

Company Name: Fritz Enterprises, Inc.
Address: 250 Highway 12, Burns Harbor, Indiana 46304
County: Porter
SIC Code: 5093
Significant Source Modification No.: 127-31128-00123
Significant Permit Modification No.: T127-31189-00123
Reviewer: APT
Date: 11/17/2011

Fugitive Emissions from Slag Storage

Storage pile emissions, which result from wind erosion, are determined by the following calculations:

$$E_f = 1.7 (s/1.5) * (365-p) / 235 * (f/15) = 6.13 \text{ lb/ac/day}$$

where: s = 5.3 % silt content of material
 p = 125 days of rain greater than or equal to 0.01 inches
 f = 15 % of wind greater than or equal to 12 mph

Storage capacity (SC) of site (tons) = (# acres)*(43560 sqft/acre)*(25 ft high)*(1/40 ton/cuft)
 Storage capacity (SC) of site (tons) = 50,000

$$\text{Potential PM Emissions (tpy)} = E_f * SC * (40 \text{ cuft/ton}) * 365 \text{ day/yr} / (2000 \text{ lb/ton} * 43560 \text{ sqft/acre} * 25 \text{ ft})$$

Potential PM Emissions (tpy) =	2.06 tpy
Potential PM10 Emissions (tpy) =	2.06 tpy

Total fugitive PM emissions from Storage:

Storage	Uncontrolled PTE	10% emitted after controls =	Controlled PTE
	2.06 tons/yr x		0.21 tons/yr

Total fugitive PM-10 emissions from Storage:

Storage	Uncontrolled PTE	10% emitted after controls =	Controlled PTE
	2.06 tons/yr x		0.21 tons/yr

Silt and moisture Content of Materials from AP-42, , Ch 13.2.4 (Fifth edition, 1/95), Table 13.2.4-1.

The following calculations determine the amount of emissions created by truck loading and unloading of aggregate, based on 8760 hours of use and AP-42, Ch 13.2.4 (Fifth Edition)
 $E_f (\text{lb/ton}) = k * (0.0032) * (U/5)^{1.3} / (M/2)^{1.4}$

k values

where k =

see right	(particle size multiplier)
U = 10	mile/hr mean wind speed
M = 0.92	% material moisture content

PM	0.74
PM10	0.35
PM2.5	0.05

Pollutant	Emission Factor (lb/ton)
PM	0.0173
PM10	0.008179
PM2.5	0.001239

Loading & Unloading Operations	Operation ID	Operation Capacity (tons/hr)	PTE - PM (tons/yr)	PTE - PM10 (tons/yr)	PTE - PM2.5 (tons/yr)
Storage handling - front end loader	MAG-1	50	3.7871	1.7912	0.2712

Methodology

PTE (tons/yr) = Capacity (ton/hr) x EF (lb/ton) / 2000 (lb/ton) x 8760 (hr/yr).

Total Fugitive Emissions		
	Uncontrolled	Controlled
PM	5.84	3.99
PM10	3.85	2.00
PM2.5	2.33	0.48



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: David Splan
Fritz Enterprises, Inc.
1650 W Jefferson
Trenton, MI 48183

DATE: March 12, 2012

FROM: Matt Stuckey, Branch Chief
Permits Branch
Office of Air Quality

SUBJECT: Final Decision
Significant Permit Modification
127-31189-00123

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 11/30/07



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

March 12, 2012

TO: Westchester Public Library

From: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Subject: **Important Information for Display Regarding a Final Determination**

Applicant Name: Fritz Enterprises, Inc.
Permit Number: 12731189-00123

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	GHOTOPP 3/12/2012 Fritz Enterprises, Inc - contractor of ArcelorMittal(001) 127-31189-00123 Final		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING	
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		David Splan Fritz Enterprises, Inc - contractor of ArcelorMitt 1650 W Jefferson Trenton MI 48183 (Source CAATS) via confirmed delivery										
2		Westchester Public Library 200 W Indiana Ave Chesterton IN 46304-3122 (Library)										
3		Laurence A. McHugh Barnes & Thornburg 100 North Michigan South Bend IN 46601-1632 (Affected Party)										
4		Porter County Board of Commissioners 155 Indiana Ave, Ste 205 Valparaiso IN 46383 (Local Official)										
5		Porter County Health Department 155 Indiana Ave, Suite 104 Valparaiso IN 46383-5502 (Health Department)										
6		Shawn Sobocinski 3229 E. Atlanta Court Portage IN 46368 (Affected Party)										
7		Mr. Ed Dybel 2440 Schrage Avenue Whiting IN 46394 (Affected Party)										
8		Ms. Carolyn Marsh Lake Michigan Calumet Advisory Council 1804 Oliver St Whiting IN 46394-1725 (Affected Party)										
9		Mr. Dee Morse National Park Service 12795 W Alameda Pky, P.O. Box 25287 Denver CO 80225-0287 (Affected Party)										
10		Mr. Joseph Virgil 128 Kinsale Avenue Valparaiso IN 46385 (Affected Party)										
11		Mark Coleman 9 Locust Place Ogden Dunes IN 46368 (Affected Party)										
12		Mr. Chris Hernandez Pipefitters Association, Local Union 597 8762 Louisiana St., Suite G Merrillville IN 46410 (Affected Party)										
13		Burns Harbor Town Council 1240 N. Boo Rd Burns Harbor IN 46304 (Local Official)										
14		Eric & Sharon Haussman 57 Shore Drive Ogden Dunes IN 46368 (Affected Party)										
15		Joseph Hero 11723 S Oakridge Drive St. John IN 46373 (Affected Party)										

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on inured and COD mail. See International Mail Manual for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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1		Gitte Laasby Post Tribune 1433 E. 83rd Ave Merrillville IN 46410 (Affected Party)										
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on inured and COD mail. See International Mail Manual for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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