



Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

June 28, 2004

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

TO: Interested Parties / Applicant

RE: Exide Technologies / 035-18190-00028

FROM: Paul Dubenetzky
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 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, 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 and IC 13-15-6-1 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 of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar 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.

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

Enclosures
FNPER.dot 9/16/03



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June 28, 2004

Mr. Shane Wingler
Exide Technologies
2601 West Mt. Pleasant Blvd.
Muncie, Indiana 47302

Re: 035-18190-00028
First Significant Permit Revision to
FESOP 035-14180-00028

Dear Mr. Wingler:

Exide Technologies was issued a permit on February 25, 2002 for a secondary lead smelting plant. A letter requesting changes to this permit was received on November 3, 2003. Pursuant to the provisions of 326 IAC 2-8-11.1 a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of revising the FESOP such that the PM10 pound per hour limit applies to each of its control devices instead of individual emission units.

The following construction conditions are applicable to the proposed project:

1. General Construction Conditions
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 (Revocation), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

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

Pursuant to Contract No. A305-0-00-36, IDEM, OAQ has assigned the processing of this application to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Sanober Durrani, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7810 to speak directly to Ms. Durrani. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or call (800) 451-6027 and ask for Duane Van Laningham or extension 3-6878, or dial (317) 233-6878.

Sincerely,

Original Signed by
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
ERG/SD

cc: File - Delaware County
U.S. EPA, Region V
Delaware County Health Department
Air Compliance Section Inspector - Paul Karkiewicz
Compliance Data Section
Administrative and Development - Sara Cloe
Technical Support and Modeling - Michele Boner



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FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)

OFFICE OF AIR QUALITY

**Exide Technologies
2601 West Mt. Pleasant Blvd.
Muncie, Indiana 47302**

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.

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

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

Operation Permit No.: F035-14180-00028	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: 2/25/2002 Expiration Date: 2/25/2007

First Significant Permit Revision No. 035-18190-00025	Pages affected: 25, 26, 27, 34
Issued by: Original Signed by Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: June 28, 2004

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SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary secondary lead smelting operation.

Authorized individual:	James E. Werbe
Source Address:	2601 West Mt. Pleasant Blvd., Muncie, Indiana 47302
Mailing Address:	P.O. Box 2098, Muncie, Indiana 47302
General Source Phone Number:	(765)747-9980
SIC Code:	3341
Source Location Status:	Delaware
County Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD; 1 of 28 source categories

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

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

- (a) One (1) lead-battery crusher/breaker, identified as ID #1, constructed in 1989, which is rated at 126,000 tons of scrap metal per year, with particulate matter emissions controlled by a venturi scrubber;
- (b) One (1) soda-ash/caustic soda neutralizing wash to neutralize sulfuric acid in the scrap metal before it is smelted, constructed in 1989, and two (2) soda ash silos, identified as ID #2a and #2b, both constructed in 1989, each with dimensions of 12.5' x 35', each capable of storing 6,388.9 tons per year, with particulate matter emissions controlled by fabric filters;
- (c) One (1) natural gas-fired rotary dryer, identified as ID #3, constructed in 1989, with a maximum capacity of six (6) million British thermal units per hour, which is controlled by the ventilation baghouse;
- (d) One (1) lead reverberatory furnace and reverberatory charge point, identified a ID #4, constructed in 1989, with a maximum capacity of 24.3 million British thermal units per hour, rated at 100,000 tons of lead per year, controlled by a process baghouse followed by twin packed sodium carbonate scrubbers;
- (e) One (1) blast furnace (cupola) and blast furnace (cupola) charge point, identified as ID #5, constructed in 1973 and reworked in 1989, rated at 30,000 tons of metal per year, controlled by a process baghouse followed by twin packed sodium carbonate scrubbers;
- (f) Two (2) lead pig casting machines, each rated at 120,000 tons of lead per year controlled by the refinery baghouse;
- (g) Twelve (12) natural gas-fired pot furnaces, identified as 6K1-12, all controlled by the refinery baghouse:

- (1) Three (3) rated at 125 tons holding capacity and 3.5 million British thermal units per hour, constructed in 1989;
 - (2) Three (3) rated at 100 tons holding capacity and 3.5 million British thermal units per hour, constructed in 1989;
 - (3) Four (4) rated at 100 tons holding capacity and 3.1 million British thermal units per hour, constructed in 1973;
 - (4) Two (2) rated at 50 tons holding capacity and 3.1 million British thermal units per hour, constructed in 1973;
- (h) Material handling which is controlled by bin room baghouse.

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

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

- (a) Emission units with PM and PM10 emissions less than five (5) tons per year, SO₂, NO_x, and VOC emissions less than ten (10) tons per year, CO emissions less than twenty-five (25) tons per year, lead emissions less than two-tenths (0.2) tons per year, single HAP emissions less than one (1) ton per year, and combination of HAPs emissions less than two and a half (2.5) tons per year:
 - (1) One (1) wood pallet shredder, constructed in 1993, capable of shredding 1,222 pounds of wood per hour, with emissions controlled by the pallet shredder baghouse;
 - (2) One (1) slag crusher, constructed in 1994, with emissions controlled by the bin room baghouse;
 - (3) One (1) strip casting machine, constructed in 1997, controlled by a fabric filter baghouse and a HEPA filter unit;
- (b) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons;
- (c) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour:
 - (1) One (1) natural gas-fired seven (7) ton melting pot, identified as MP-1, constructed in 1997, with a capacity of 2.2 million British thermal units per hour; and
 - (2) One (1) natural gas-fired thirty-five (35) ton melting pot, identified as MP-2, constructed in 1997, with a capacity of 1.2 million British thermal units per hour.

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

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

A.5 Prior Permit Conditions

- (a) This permit shall be used as the primary document for determining compliance with applicable requirements established by previously issued permits.

- (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, including any term or condition from a previously issued construction or operation permit, 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.

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [IC 13]

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

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

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

B.3 Permit Term [326 IAC 2-8-4(2)]

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

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

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

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

B.6 Severability [326 IAC 2-8-4(4)]

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

B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

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

B.8 Duty to Supplement and Provide Information [326 IAC 2-8-3(f)] [326 IAC 2-8-4(5)(E)] [326 IAC 2-8-5(a)(4)]

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

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

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

(b) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit or,

for information claimed to be confidential, the Permittee may furnish such records directly to the U. S. EPA along with a claim of confidentiality.[326 IAC 2-8-4(5)(E)]

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

B.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

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

B.10 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

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

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

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

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

- (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 2-8-4(3); and
 - (5) Such other facts as specified in Sections D of this permit, IDEM, OAQ, may require to determine the compliance status of the source.

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

B.12 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs), 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.
- (b) The Permittee shall implement the PMPs as necessary to ensure that failure to implement a PMP does not cause or contribute to a violation of any limitation on emissions or potential to emit.
- (c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or contributes to any violation. The PMP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) Records of preventive maintenance shall be retained for a period of at least five (5) years. These records shall be kept at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

B.13 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, 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 No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section) or,
Telephone No.: 317-233-5674 (ask for Compliance Section)
Facsimile No.: 317-233-5967

Failure to notify IDEM, OAQ, by telephone or facsimile within four (4) daytime business hours after the beginning of the emergency, or after the emergency is discovered or reasonably should have been discovered, shall constitute a violation of 326 IAC 2-8 and any other applicable rules. [326 IAC 2-8-12(f)]

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

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

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

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

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

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
- (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

- (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

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

B.14 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

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

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

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

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

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (c) Emergencies shall be included in the Quarterly Deviation and Compliance Monitoring Report.

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit [326 IAC 2-8-4(5)(C)]. The notification by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]

- (c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, 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 2-8-8(c)]

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

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

Request for renewal shall be submitted to:

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

- (b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]
 - (1) A timely renewal application is one that is:
 - (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
 - (2) If IDEM, OAQ upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.
- (c) Right to Operate After Application for Renewal [326 IAC 2-8-9]

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

B.17 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

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

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

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

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

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

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

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
- (3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

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

and

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

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

- (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 2-8-15(a) and the following additional conditions:
- (1) A brief description of the change within the source;

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

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

- (c) **Emission Trades [326 IAC 2-8-15(c)]**
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (d) **Alternative Operating Scenarios [326 IAC 2-8-15(d)]**
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

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

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

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

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 FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.21 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

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

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

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

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-11(b)(3)]

B.22 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

- (a) Pursuant to 326 IAC 2-8:
- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall also make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable);
 - (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
 - (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.
- (b) Pursuant to 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), emissions of particulate matter (PM) from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.
- (c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided the source's potential to emit does not exceed the above specified limits.
- (d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.2 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

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

C.6 Operation of Equipment [326 IAC 2-8-5(a)(4)]

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

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

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

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

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

All required notifications shall be submitted to:

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

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

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

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

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

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

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

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

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

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the source submits to IDEM, OAQ, 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. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

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

C.11 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

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

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

C.12 Maintenance of Emission Monitoring Equipment [326 IAC 2-8-4(3)(A)(iii)]

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

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

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

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

- (a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.
- (b) The Permittee may request the IDEM, OAQ approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.

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

C.15 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68.215]

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

- (a) A compliance schedule for meeting the requirements of 40 CFR 68; or
- (b) As a part of the annual compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP);

All documents submitted pursuant to this condition shall include the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

C.16 Compliance Response Plan - Failure to Take Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5]

- (a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:
- (1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected time frame for taking reasonable response steps.
 - (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.
- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
- (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or
 - (2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.
 - (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, the IDEM, OAQ shall be promptly notified of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.
 - (4) Failure to take reasonable response steps shall constitute a violation of the permit.
- (c) The Permittee is not required to take any further response steps for any of the following reasons:
- (1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.
 - (3) An automatic measurement was taken when the process was not operating.

- (4) The process has already returned or is returning to operating within “normal” parameters and no response steps are required.
- (d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.
- (e) The Permittee shall record all instances when response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- (f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

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

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

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

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

C.18 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

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

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

- (a) The source shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. The reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) Reporting periods are based on calendar years.

Stratospheric Ozone Protection

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

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

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

SECTION D.1

FACILITY OPERATION CONDITIONS

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

- (a) One (1) lead-battery crusher/breaker, identified as ID #1, constructed in 1989, which is rated at 126,000 tons of scrap metal per year, with particulate matter emissions controlled by a venturi scrubber;
- (b) One (1) soda-ash/caustic soda neutralizing wash to neutralize sulfuric acid in the scrap metal before it is smelted, constructed in 1989, and two (2) soda ash silos, identified as ID #2a and #2b, both constructed in 1989, each with dimensions of 12.5' x 35', each capable of storing 6,388.9 tons per year, with particulate matter emissions controlled by fabric filters;
- (c) One (1) natural gas-fired rotary dryer, identified as ID #3, constructed in 1989, with a maximum capacity of six (6) million British thermal units per hour, which is controlled by the ventilation baghouse;
- (d) One (1) lead reverberatory furnace and reverberatory charge point, identified a ID #4, constructed in 1989, with a maximum capacity of 24.3 million British thermal units per hour, rated at 100,000 tons of lead per year, controlled by a process baghouse followed by twin packed sodium carbonate scrubbers;
- (e) One (1) blast furnace (cupola) and blast furnace (cupola) charge point, identified as ID #5, constructed in 1973 and reworked in 1989, rated at 30,000 tons of metal per year, controlled by a process baghouse followed by twin packed sodium carbonate scrubbers;
- (f) Two (2) lead pig casting machines, each rated at 120,000 tons of lead per year controlled by the refinery baghouse;
- (g) Twelve (12) natural gas-fired pot furnaces, identified as 6K1-12, all controlled by the refinery baghouse:
 - (1) Three (3) rated at 125 tons holding capacity and 3.5 million British thermal units per hour, constructed in 1989;
 - (2) Three (3) rated at 100 tons holding capacity and 3.5 million British thermal units per hour, constructed in 1989;
 - (3) Four (4) rated at 100 tons holding capacity and 3.1 million British thermal units per hour, constructed in 1973;
 - (4) Two (2) rated at 50 tons holding capacity and 3.1 million British thermal units per hour, constructed in 1973;
- (h) Material handling which is controlled by bin room baghouse.

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

SECTION D.1

FACILITY OPERATION CONDITIONS (Continued)

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

Insignificant Activities:

- (a) Emission units with PM and PM10 emissions less than five (5) tons per year, SO₂, NO_x, and VOC emissions less than ten (10) tons per year, CO emissions less than twenty-five (25) tons per year, lead emissions less than two-tenths (0.2) tons per year, single HAP emissions less than one (1) ton per year, and combination of HAPs emissions less than two and a half (2.5) tons per year:
- (1) One (1) wood pallet shredder, constructed in 1993, capable of shredding 1,222 pounds of wood per hour, with emissions controlled by the pallet shredder baghouse;
 - (2) One (1) slag crusher, constructed in 1994, with emissions controlled by the bin room baghouse;
 - (3) One (1) strip casting machine, constructed in 1997, controlled by a fabric filter baghouse and a HEPA filter unit;

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

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

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

- (a) Pursuant to F035-5386-00028 and 326 IAC 2-8, the following limitations apply to the source:
- (1) The lead content of the battery throughput to the battery breaker/crusher (ID #1) shall not exceed 126,000 tons of scrap metal per twelve (12) consecutive month period, rolled monthly.
 - (2) The metal produced from the reverberatory furnace (ID #4) shall not exceed 100,000 tons per twelve (12) consecutive month period, rolled monthly.
 - (3) Only a mixture of 70% to 100% by weight slag and 0% to 30% by weight lead bearing materials may be charged in the blast furnace (cupola) (ID #5). The resulting metal produced by the blast furnace (cupola) (ID #5) shall not exceed 30,000 tons per twelve (12) consecutive month period, rolled monthly.
 - (4) The metal produced by both the reverberatory furnace and the blast furnace (cupola) (ID #5) shall not exceed a combined total of 120,000 tons per twelve (12) consecutive month period, rolled monthly.
 - (5) The metal refined in the pot furnaces (6K1-12) shall not exceed a combined total production of 120,000 tons per twelve (12) consecutive month period, rolled monthly.
 - (6) All scrap metal processed through the battery breaker/crusher (ID #1) shall undergo the soda-ash/caustic soda neutralizing wash to reduce the generation of SO₂ emissions by 85%.
- (b) These limits are equivalent to the following emission limitations:

- (1) Pursuant to F035-5386-00028, the combined PM10 emissions from the venturi scrubber, fabric filters, twin packed scrubber, twin packed sodium carbonate scrubbers, ventilation baghouse, refinery baghouse, bin room baghouse, wood pallet shredder baghouse, and strip casting machine baghouse shall not exceed 99.5 tons per twelve (12) consecutive month period (22.7 pounds per hour).

Emission Units	PM 10 Limit (ton/yr)	PM 10 Limit (lb/hr)
Battery crusher/breaker (ID#1)	9.86	2.25
Soda ash wash and 2 silos (ID#2)	1	0.23
Rotary dryer (ID#3)	32.9	7.50
Reverberatory furnace and charge point (ID#4)	21.9	5.00
Blast furnace (cupola) and charge point (ID#5)		
Pig casting	23.0	5.25
Pot furnaces (6K1-12)		
Material handling	9.86	2.25
Slag Crusher		
Insignificant Activities - Wood Pallet Shredder - Strip casting machine	1.00	0.23

This limit is structured such that when including emissions from insignificant combustion sources, the source wide total PM10 emissions remain below one hundred (100) tons per twelve (12) consecutive month period.

- (2) Pursuant to F035-5386-00028, the SO₂ emissions shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.
- (3) The emissions of a single HAP shall be limited to less than ten (10) tons per twelve (12) consecutive month period and the emissions of any combination of HAPs shall be limited to less than a total of twenty-five (25) tons per twelve (12) consecutive month period.

These limits render the requirements of 326 IAC 2-7 (Part 70 Permit Program) not applicable.

D.1.2 PSD Minor Limit [326 IAC 2-2]

- (a) The FESOP PM10 and SO₂ limitations limit source wide emissions to less than one hundred (100) tons per twelve (12) consecutive month period for both PM10 and SO₂. This renders the requirements of 326 IAC 2-2 not applicable.
- (b) Emissions of PM shall be less than one hundred (100) tons per twelve consecutive month period (22.7 pounds per hour). This will render the requirements of 326 IAC 2-2 not applicable.

These limits are equivalent to the following limits:

Emission Units	PM Limit (ton/yr)	PM Limit (lb/hr)
Battery crusher/breaker (ID #1)	9.86	2.25
Soda ash wash and 2 silos (ID #2)	1	0.23
Rotary dryer (ID #3)	32.9	7.50
Reverberatory furnace and charge point (ID #4)	21.9	5.00
Blast furnace (cupola) and charge point (ID #5)		
Pig casting	23.0	5.25
Pot furnaces (6K1-12)		
Material handling	9.86	2.25
Slag Crusher		
<u>Insignificant Activities</u> - Wood Pallet Shredder - Strip casting machine	1.00	0.23

- (c) Pursuant to F035-5386-00028, the combined lead emissions from the venturi scrubber, soda ash silo fabric filters, twin packed sodium carbonate scrubbers, ventilation baghouse, refinery baghouse, bin room baghouse, and wood pallet shredder baghouse shall not exceed five (5) tons per twelve (12) consecutive month period (1.14 pounds per hour). This will render the requirements of 326 IAC 2-2 and 40 CFR 52.21 not applicable.

D.1.3 General Provisions Relating to HAPs [326 IAC 20-1-1] [40 CFR 63, Subpart A]

The provisions of 40 CFR 63, Subpart A - General Provisions, which are incorporated as 326 IAC 30-1-1, apply to the facility described in this section except when otherwise specified in 40 CFR 63, Subpart X.

D.1.4 Secondary Lead Smelting [40 CFR 63, Subpart X] [326 IAC 20-13]

- (a) Pursuant to 40 CFR Part 63, Subpart X (National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting), the following limitations apply:

- (1) The source must submit a title V permit application by the date as specified in 40 CFR 63.541(c) as currently written or subsequently amended.
- (2) No owner or operator of a blast furnace (cupola), reverberatory furnace, or rotary furnaces shall discharge or cause to be discharged into the atmosphere any gases that contain lead compounds in excess of 2.0 milligrams of lead per dry standard cubic meter (0.00087 grains of lead per dry standard cubic foot).
- (3) No owner or operator of a collocated blast furnace (cupola) and reverberatory furnace shall discharge or cause to be discharged into the atmosphere any gases that contain total hydrocarbons in excess of 20 parts per million by volume, expressed as propane corrected to 4 percent carbon dioxide, when both furnaces are operating, except as follows below:

During periods when the reverberatory furnace is not operating, no owner or operator of a blast (cupola) furnace shall discharge or cause to be discharged into the atmosphere any gases that contain hydrocarbons in excess of 360 parts

per million by volume, expressed as propane corrected to 4 percent carbon dioxide.

During periods when only the reverberating furnace is operating, no total hydrocarbon limit applies to this source.

- (4) The blast furnace (cupola) charging process fugitive emissions exhaust shall not contain total hydrocarbons in excess of the limits specified in D.1.4(c) of this permit.
- (b) Pursuant to 326 IAC 20-13-3 (Emission Limitations; Lead Standards for Exide Technologies), the following lead emission limitations apply:

Unit	Lead Emission Limitation (mg/dscm)
Ventilation Baghouse	0.5
Refinery Baghouse	0.5
Bin Room Baghouse	0.5
Venturi Scrubber (battery breaker scrubber)	0.5
Sodium Carbonate Scrubbers	1.0

D.1.5 Process Fugitive Emissions [40 CFR 63, Subpart X] [326 IAC 20-13]

Pursuant to 40 CFR Part 63, Subpart X (National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting), the Permittee shall control process fugitive emission sources as follows:

- (a) Process fugitive emission sources shall be equipped with an enclosure hood meeting the requirements of 40 CFR 63.544(b) or be located in a total enclosure subject to general ventilation that maintains the building at a lower than ambient pressure to ensure in-draft through any doorway opening.
- (b) Ventilation air from all enclosure hoods and total enclosures shall be conveyed to a control device. Gases discharged to the atmosphere from the control devices shall not contain lead compounds in excess of 2.0 million grams of lead per dry standard cubic meter (0.00087 grains per dry standard cubic foot).
- (c) All dryer emission vents shall be ventilated to a control device that shall not discharge to the atmosphere any gases that contain lead compounds in excess of 2.0 million grams of lead per dry standard cubic meter (0.00087 grains per dry standard cubic foot).

D.1.6 Fugitive Dust Sources [40 CFR 63, Subpart X] [326 IAC 20-13]

Pursuant to 40 CFR Part 63.545, the Permittee shall control fugitive dust emission sources as follows:

- (a) The Permittee shall prepare and operate according to a procedures manual that describes the measures that will be put in place to control fugitive dust emission sources. The controls specified in the standard operating procedures manual shall at a minimum include the requirements listed in 40 CFR 63.545(c).
- (b) The standard operating procedures manual shall require that daily records be maintained of all wet suppression, pavement cleaning, and vehicle washing activities performed to control fugitive dust emissions.

- (c) The permittee shall not discharge into the atmosphere from any building or enclosure ventilation system any gases that contain lead compounds in excess of 2.0 milligrams of lead per dry standard cubic meter (0.00087 grains of lead per dry standard cubic foot).

D.1.7 Particulate Matter (PM) and Visible Emission Notations [40 CFR 60, Subpart L]

Pursuant to 40 CFR 60, Subpart L (Standards of Performance for Secondary Lead Smelters), the following limitations apply:

- (a) Visible emissions from the reverberatory furnace and blast furnace (cupola) shall be limited to twenty percent (20%) opacity.
- (b) Emissions of particulate matter from the reverberatory furnace and blast furnace (cupola) shall be limited to less than 50 mg/dscm (0.022 gr/dscf).
- (c) Visible emissions from the pot furnaces shall be limited to ten percent (10%) opacity.

D.1.8 Sulfur Dioxide [326 IAC 7-1.1]

326 IAC 7-1.1-2 (Sulfur Dioxide Emission Limitations) applies to the blast furnace (cupola) (ID #5) because the source has the potential to emit greater than twenty-five (25) tons per year of SO₂. Pursuant to this rule, the SO₂ emissions from the blast furnace (cupola) (ID #5) firing of coke fuel shall not exceed six (6) pounds per million British thermal units heat input.

D.1.9 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Process Operations), the particulate matter (PM) from the following units shall be limited as follows when operating at the listed process weight rate.

Unit	Process Weight Rate (ton/yr)	Emission Limit (lb/hr)
Battery crusher/breaker	126000	24.5
Soda ash wash and 2 silos	6389	3.3
Reverberatory furnace and charge point	100000	21.0
Blast furnace (cupola) and charge point	30000	9.4
Pig casting	240000	37.7
Pot Furnaces	120000	23.7
Material handling	126000	24.5
Wood pallet shredder	1222	2.95

These limitations were calculated using the following:

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

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

D.1.10 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

Compliance Determination Requirements

D.1.11 Particulate Matter (PM)

In order to comply with Conditions D.1.1, D.1.2, D.1.5 and D.1.9, venturi scrubber, soda ash silo fabric filters, twin packed sodium carbonate scrubbers, ventilation baghouse, refinery baghouse, bin room baghouse, and wood pallet shredder baghouse shall be in operation at all times that the associated processes are in operation.

D.1.12 Sulfur Dioxide

In order to demonstrate compliance with Conditions D.1.1(d)(6) and D.1.6, continuous emission monitors (CEM) for SO₂ shall be operated at each sodium carbonate packed tower scrubber stack. This renders the requirements of 326 IAC 2-7 (Part 70 Permit Program) not applicable.

D.1.13 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

(a) In order to demonstrate compliance with Conditions D.1.1, D.1.2 and D.1.7(b), the permittee shall perform:

- (1) PM and PM10 testing on the venturi scrubber, bin room baghouse, and refinery baghouse before September 2006;
- (2) PM and PM10 testing on the twin packed bed scrubber and ventilation baghouse before September 2005;

Utilizing methods as approved by the commissioner. PM10 includes filterable and condensable PM10. Testing shall be conducted in accordance with Section C - Performance Testing.

(b) Pursuant to Conditions D.1.4, D.1.5, and D.1.6 and 40 CFR Part 63.543(h) and (i), 63.544(e) and (f), the Permittee shall conduct a compliance test for lead compounds on an annual basis (no later than 12 calendar months following the previous compliance test). If a compliance test demonstrates a source emitted lead compounds at 1.0 milligram of lead per dry standard cubic meter (0.00044 grains of lead per dry standard cubic foot) or less during the time of the compliance test, the Permittee shall be allowed up to 24 calendar months from the previous compliance test to conduct the next annual compliance test.

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

D.1.14 Visible Emissions Notations

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

D.1.15 Parametric Monitoring

The Permittee shall record the total static pressure drop across all baghouses and scrubber used in conjunction with the rotary dryer, reverberatory furnace, blast furnace (cupola), pot furnaces, lead pig casting, and material storage and slag crushing, at least once daily when the processes are in operation when venting to the atmosphere. When for any one reading, the pressure drop is outside the following normal ranges:

- (a) Ventilation baghouse - 2 inches to 10 inches
- (b) Venturi scrubber - 10 inches to 25 inches
- (c) Twin packed bed sodium carbonate scrubber - 5 inches to 25 inches
- (d) Bin room baghouse - 2 inches to 10 inches
- (e) Refinery baghouse - 2 inches to 10 inches
- (f) Process baghouse - 2 inches to 10 inches

or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - The Compliance Response Plan - Failure to Take Response Steps. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

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

D.1.16 Baghouse or Filter Inspections

An inspection shall be performed each calendar quarter of all bags or filters controlling the secondary lead smelting operation when venting to the atmosphere. A baghouse or filter inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting indoors. All defective bags or filters shall be replaced.

D.1.17 Broken or Failed Bag or Filter Detection

In the event that bag or filter failure has been observed:

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Failure to Take Response Steps, shall be considered a violation of this permit.
- (b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

D.1.18 Monitoring [40 CFR 63, Subpart X]

Pursuant to 40 CFR Part 63, Subpart X (National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting), the Permittee shall:

- (a) Prepare and at all times operate according to a standard operating procedures manual that describes in detail procedures for inspection, maintenance, and bag leak detection and corrective action plans for all baghouses that are used to control process, process fugitive, or fugitive dust emissions from any source subject to the lead emission standard in 40 CFR 63.353-355.
 - (1) The standard operating procedures manual shall be submitted to IDEM, OAQ for review and approval.
 - (2) The procedures specified in the manual shall, at a minimum, include the requirements listed in 40 CFR 63.548.
- (b) Install, operate, and maintain a total hydrocarbon continuous monitoring system and comply with all of the requirements for continuous monitoring systems found in Subpart A, General Provisions and 40 CFR 63.548(j) in order to demonstrate continuous compliance with the total hydrocarbon emission standard.

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

D.1.19 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.1(a)-(d)(5), the Permittee shall maintain records complete and sufficient enough to document compliance with the various throughput limitations.
- (b) To document compliance with Conditions D.1.7 and D.1.14, the Permittee shall maintain records of once per shift visible emission notations of the stack exhaust.
- (c) To document compliance with Condition D.1.15, the Permittee shall maintain once per shift records of the inlet and outlet pressure difference during normal operation.
- (d) To document compliance with Condition D.1.16, the Permittee shall maintain records of the results of the inspections required under Condition D.1.15 and the dates the vents are redirected.
- (e) To demonstrate compliance with 40 CFR 63, Subpart X and Conditions D.1.4, D.1.5, D.1.6, and D.1.18, the Permittee shall maintain records of the information listed below:
 - (1) An identification of the date and time of all bag leak detection system alarms, their cause, and an explanation of the corrective actions taken;
 - (2) The output from the total hydrocarbon continuous monitoring system, an identification of the periods when the 3-hour average total hydrocarbon concentration exceeded the applicable standard and an explanation of the corrective actions taken; and
 - (3) Any record keeping required as part of the operating procedures manual required for the control of fugitive dust emissions and the operating procedures manual required for baghouses.
- (f) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.20 Reporting Requirements

- (a) A quarterly summary of the information to document compliance with Conditions D.1.1(d)(1)-(5) shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported.

The report submitted by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

- (b) Pursuant to 40 CFR 63, Subpart X, reports shall include the following information:
- (1) Records of all alarms from the bag leak detection system with a description of the procedures taken following each alarm;
 - (2) Records of the total hydrocarbon concentration, in 3-hour block averages, for those periods when the total hydrocarbon concentration being monitored exceeds the hydrocarbon limit;
 - (3) A summary of the records maintained as part of the practices described in the standard operating procedures manual for baghouses, including an explanation of the periods when procedures were not followed and the corrective actions taken; and
 - (4) A summary of the fugitive dust control measure performed during the required reporting period, including an explanation of the periods when the procedures outlined in the standard operating procedures manual were not followed and the corrective actions taken.

SECTION D.2

FACILITY OPERATION CONDITIONS

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

- (b) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons;
- (c) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour;
 - (1) One (1) natural gas-fired seven (7) ton melting pot, identified as MP-1, constructed in 1997, with a capacity of 2.2 million British thermal units per hour; and
 - (2) One (1) natural gas-fired thirty-five (35) ton melting pot, identified as MP-2, constructed in 1997, with a capacity of 1.2 million British thermal units per hour.

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

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

There are no specific regulations applicable to these units.

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

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

Source Name: Exide Technologies
Source Address: 2601 West Mt. Pleasant Blvd., Muncie, Indiana 47302
Mailing Address: P.O. Box 2098, Muncie, Indiana 47302
FESOP No.: F035-14180-00028

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967**

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

Source Name: Exide Technologies
Source Address: 2601 West Mt. Pleasant Blvd., Muncie, Indiana 47302
Mailing Address: P.O. Box 2098, Muncie, Indiana 47302
FESOP No.: F035-14180-00028

This form consists of 2 pages

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

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

Facility/Equipment/Operation:

Control Equipment:

Permit Condition or Operation Limitation in Permit:

Description of the Emergency:

Describe the cause of the Emergency:

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

Page 2 of 2

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

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

A certification is not required for this report.

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

FESOP Quarterly Report

Source Name: Exide Technologies
Source Address: 2601 West Mt. Pleasant Blvd., Muncie, Indiana 47302
Mailing Address: P.O. Box 2098, Muncie, Indiana 47302
FESOP No.: F035-14180-00028
Facility: Battery breaker/crusher
Parameter: Lead content of the battery throughput
Limit: Less than 126,000 tons per twelve (12) consecutive month period

YEAR: _____

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

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

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

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Exide Technologies
Source Address: 2601 West Mt. Pleasant Blvd., Muncie, Indiana 47302
Mailing Address: P.O. Box 2098, Muncie, Indiana 47302
FESOP No.: F035-14180-00028
Facility: Reverberatory furnace
Parameter: Metal production
Limit: Less than 100,000 tons per twelve (12) consecutive month period

YEAR: _____

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

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

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

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Exide Technologies
Source Address: 2601 West Mt. Pleasant Blvd., Muncie, Indiana 47302
Mailing Address: P.O. Box 2098, Muncie, Indiana 47302
FESOP No.: F035-14180-00028
Facility: Blast furnace (cupola)
Parameter: Charging materials
Limit: Slag content - Between 70% and 100%
Lead content - Between 0% and 30%

YEAR: _____

Month	Column 1
	This Month
Month 1	
Month 2	
Month 3	

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

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

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Exide Technologies
Source Address: 2601 West Mt. Pleasant Blvd., Muncie, Indiana 47302
Mailing Address: P.O. Box 2098, Muncie, Indiana 47302
FESOP No.: F035-14180-00028
Facility: Blast furnace (cupola)
Parameter: Metal Production
Limit: Less than 30,000 tons per twelve (12) consecutive month period

YEAR: _____

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

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

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

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Exide Technologies
Source Address: 2601 West Mt. Pleasant Blvd., Muncie, Indiana 47302
Mailing Address: P.O. Box 2098, Muncie, Indiana 47302
FESOP No.: F035-14180-00028
Facility: Reverberatory furnace and blast furnace (cupola) combined
Parameter: Metal production
Limit: Less than 120,000 tons per twelve (12) consecutive month period

YEAR: _____

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

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

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

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Exide Technologies
Source Address: 2601 West Mt. Pleasant Blvd., Muncie, Indiana 47302
Mailing Address: P.O. Box 2098, Muncie, Indiana 47302
FESOP No.: F035-14180-00028
Facility: Pot furnaces
Parameter: Metal Production
Limit: Less than 120,000 tons per twelve (12) consecutive month period

YEAR: _____

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

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

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

Attach a signed certification to complete this report.

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

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

Source Name: Exide Technologies
Source Address: 2601 West Mt. Pleasant Blvd., Muncie, Indiana 47302
Mailing Address: P.O. Box 2098, Muncie, Indiana 47302
FESOP No.: F035-14180-00028

Months: _____ to _____ Year: _____

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

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

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

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

Source Background and Description

Source Name:	Exide Technologies
Source Location:	2601 West Mt. Pleasant Blvd., Muncie, Indiana 47302
County:	Delaware
SIC Code:	3341
Operation Permit No.:	F035-14180-00028
Operation Permit Issuance Date:	February 25, 2002
Significant Permit Revision No (SPR).:	035-18190-00028
Permit Reviewer:	ERG/SD

On May 14, 2004, the Indiana Department of Environmental Management (IDEM) and Office of Air Quality (OAQ) had a notice published in the Muncie Star Press, Muncie, Indiana, stating that Exide Technologies had applied for a Significant Permit Revision to their Federally Enforceable State Operating Permit (FESOP) No. F035-14180-00028, issued February 25, 2002 to operate a secondary lead smelting plant with control. The notice also stated that IDEM, OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On May 17, 2004, Tom W. Leonard, member of the public, submitted a comment on the proposed SPR to a FESOP. A summary of that comment is as follows.

Comment 1:

Tom W. Leonard requested a clarification on the following sentence as noted in the Public Notice letter: "Exide Technologies has applied to revise the current FESOP limit such that the PM10 pound per hour limit applies to each of its control devices instead of individual emission units." Mr. Leonard questioned whether the source was increasing the pollution by a factor of how many units they have. If there were an increase in emissions, Mr. Leonard felt this seemed questionable for an area that does not meet the standards for clean air.

Response to Comment 1:

The revision rearranges the limit from the emission units to their control device while maintaining the overall source limit of PM/PM10 and all other criteria pollutants of less than 100 tons per year. This is consistent with the original limits under 326 IAC 2-8(FESOP).

IDEM, OAQ worked with the Permittee to ensure that each and every PM/PM10 emission unit was accounted for under the FESOP limit. Therefore, there is no increase in emissions from this revision. No change was made to the permit as a result of this comment.

Indiana Department of Environmental Management Office of Air Quality

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

Source Background and Description

Source Name:	Exide Technologies
Source Location:	2601 West Mt. Pleasant Blvd., Muncie, Indiana 47302
County:	Delaware
SIC Code:	3341
Operation Permit No.:	F035-14180-00028
Operation Permit Issuance Date:	February 25, 2002
Permit Revision No.:	035-18190-00028
Permit Reviewer:	ERG/SD

The Office of Air Quality (OAQ) has reviewed a Significant Permit Revision application from Exide Technologies relating to the operation of a secondary lead smelting plant.

History

On November 3, 2003 Exide Technologies submitted an application to the OAQ requesting to revise the FESOP limit such that the PM10 pound per hour limit applies to each of its control devices instead of individual emission units, while maintaining the overall source limit at its original FESOP limit of less than 99 tons per year.

Existing Approvals

The source was issued FESOP 035-5386-00018 on December 13, 1996. The source has since received the following:

- (a) FESOP Renewal 035-14180-00028, issued on February 25, 2002.
- (b) Significant Permit Modification 035-8502-00028, issued on May 11, 1999.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

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

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

An application for the purposes of this review was received on November 3, 2003. Additional information was received on December 11, 2003 and January 21, 2004.

Emission Calculations

See Appendix A of this document for detailed emissions calculations (page 1).

Potential To Emit of the Revision

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source 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.”

This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	26,461
PM10	3,638
SO ₂	0
VOC	0
CO	0
NO _x	0

Note 1: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

Note 2: The potential to emit of PM/PM10 is from the TSD for F035-14180-00028, issued on February 25, 2002.

Pollutant	Potential To Emit (tons/year)
HAPs	Less than 5 for Lead Less than 10 for a single HAP Less than 25 for any combination of HAPs

Justification for Revision

The FESOP is being modified through a FESOP Significant Permit Revision. This revision is being performed pursuant to 326 IAC 2-8-11(g)(2) because this revision requires an adjustment to the emission cap limitations.

Potential to Emit after Revision

The table below summarizes the total potential to emit, reflecting all limits, of the significant emission units. The control equipment is considered federally enforceable only after issuance of this Permit Revision.

Emission Units	Potential to Emit (tons/year)						
	PM	PM10	SO ₂	VOC	CO	NO _x	HAPs
Battery crusher/breaker controlled by venturi scrubber	48-0 9.86	48-0 9.86	0	0	0	0	1 tpy of lead
Soda ash pneumatic conveying through the silos controlled by fabric filters	1.0	1.0	0	0	0	0	0

Emission Units	Potential to Emit (tons/year)						
	PM	PM10	SO ₂	VOC	CO	NO _x	HAPs
Reverberatory furnace controlled by process baghouse.	3.58 21.9	4.15 21.9	73.49	0	0	18	1.4 tpy lead
Blast furnace controlled by process baghouse	3.22	4.35	12.16	0	0	1.50	1.09 tpy lead
Pot furnaces controlled by refinery baghouse	3.62 23.0	3.62 23.0	0.1	0.95	14.57	17.34	0.75 tpy lead
Pig Casting controlled by refinery baghouse	65	65	0	0	0	0	0
Rotary dryer controlled by ventilation baghouse	0.2 32.9	0.2 32.9	0.02	0.14	2.21	2.63	Negligible
Material Handling controlled by bin room baghouse	9.86	9.86	0	0	0	0	Negligible
- Slag crusher controlled by bin room baghouse							
Insignificant Activity -- Wood pallet shredder controlled by a pallet shredder baghouse -- Strip casting machine controlled by fabric filter baghouse	0.11 1.00	0.11 1.00	0.01	0.08	1.25	1.49	Negligible
Total PTE of the Entire Source after Revision	Less than 100	Less than 100	Less than 100	1.17	18.03	40.96	Less than 5.0 for Lead Less than 10 single HAP and less than 25 for any combination of HAPs
Title V Major Source Thresholds	NA	100	100	100	100	100	5 for Lead 10 for a single HAP and 25 for any combination of HAPs

*Note: The potential to emit as shown in strike out are from the Technical Support Document (TSD) for F035-14180-00028, issued on February 25, 2002.

After adjusting the existing limits, the potential to emit of each criteria pollutant from the entire source is still less than the Title V major source thresholds. Therefore, the requirements of 326 IAC 2-7 are not applicable to this source.

County Attainment Status

The source is located in Delaware County.

Pollutant	Status
PM10	Attainment
SO ₂	Attainment
NO ₂	Attainment
Ozone	Attainment
CO	Attainment
Lead	Attainment

- (a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating

to the ozone standards. Delaware County has been designated as attainment for ozone.

- (b) Delaware County has been classified as attainment for all criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this revision.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR Part 63) applicable to this revision.

State Rule Applicability - Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

This source was constructed prior to August 7, 1977 and is in one (1) of twenty-eight (28) source categories. The potential to emit PM, PM10, and SO₂ from the entire source is greater than 100 tons per year. Since the source is one (1) of the twenty-eight (28) source categories, the source has accepted limits to limit the PM, PM10 and SO₂ emissions from the entire source to less than 100 tons per year by the use of baghouses, fabric filters and scrubbers. This renders the requirements of 326 IAC 2-2 (PSD) not applicable for PM, PM10 and SO₂.

The source submitted an application on November 3, 2003 requesting to revise the PM and PM10 limits such as the limits apply to the control devices instead of the emission units. The potential to emit of PM shall be limited to less than one hundred (100) tons per year as shown below:

Emission Unit	Control Device	PM Limit (lb. per hour)	PM Limit (ton per year)
Battery crusher/breaker (ID#1)	Venturi scrubber	2.25	9.86
Soda ash pneumatic conveyor (ID#2)	Fabric filters	0.23	1
Reverberatory furnace (ID#4)	Process baghouse	5.00	21.9
Blast furnace (ID#5)			
Pot furnaces (6K1-12)	Refinery baghouse	5.25	23.0
Pig castings			
Rotary dryer (ID#3)	Ventilation baghouse	7.50	32.9
Material handling	Bin room baghouse	2.25	9.86
Slag crusher			
Insignificant Activities	- Pallet shredder baghouse - Fabric filter baghouse	0.23	1.00

Combined with the PM emissions from the insignificant units, the PM emissions from the entire source are limited to less than 100 tons per year. Therefore, the requirements of 326 IAC 2-2 are not applicable.

326 IAC 2-6 (Emission Reporting)

This source is located in Delaware County and the potential to emit of all criteria pollutants are limited to less than one hundred (100) tons per year. Therefore, 326 IAC 2-6 does not apply.

326 IAC 5-1 (Opacity Limitations)

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

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

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

This revision does not have any HAP emissions. In addition, the source has accepted FESOP limits to limit the potential to emit HAP from the entire source to less than the HAP major source thresholds. Therefore, the requirements of 326 IAC 2-4.1 are not applicable.

326 IAC 2-8-4 (FESOP)

The potential to emit PM10, SO₂, and HAPs before control from this source is greater than the Title V major source thresholds. The source is presently complying with FESOP conditions to limit the PM10, SO₂, and HAPs emissions to less than Title V major threshold levels. The source submitted an application on November 3, 2003 requesting to revise the PM and PM10 limits such that the pound per hour limits apply to the control devices instead of the emission units. The potential to emit of PM10 shall be limited to less than one hundred (100) tons per year as shown below:

Emission Unit	Control Device	PM10 Limit (lb. per hour)	PM10 Limit (ton per year)
Battery crusher/breaker (ID #1)	Venturi scrubber	4.14 2.25	18 9.86
Soda ash pneumatic conveyor (ID#2)	Fabric filters	0.23	1
Reverberatory furnace (ID#4)	Process baghouse	0.82 5.00	3.58 21.9
Blast furnace (ID#5)		0.74	3.22
Pot furnaces (6K1-12)	Refinery baghouse	0.53 5.25	3.62 23.0
Pig castings		14.84	65
Rotary dryer (ID#3)	Ventilation baghouse	0.05 7.50	0.2 32.9
Material handling	Bin room baghouse	2.25	9.86
Slag crusher			
Insignificant Activities - Wood pallet shredder - Strip casting machine	- Pallet shredder baghouse - Fabric filter baghouse	0.23	1.00

Combined with the PM10 emissions from the insignificant activities, the PM10 emissions from the entire source are limited to less than 100 tons per year. Therefore, the requirements of 326 IAC 2-7 (Part 70) are not applicable.

Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill

the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also 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.

There are no compliance monitoring requirements applicable to this revision.

Proposed Changes

Bold language has been added and language with a line through it has been deleted.

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

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

...

- (f) Two (2) lead pig casting machines, each rated at 120,000 tons of lead per year **controlled by the refinery baghouse;**
- (g) Twelve (12) natural gas-fired pot furnaces, identified as 6K1-12, all controlled by ~~a~~ **the** refinery baghouse:

The emissions units as described in (a)(2) and (a)(3) were moved from D.2 to D.1, because although listed as insignificant activities, the FESOP and PSD Emission Limits apply to them, as they have potential particulate emissions.

SECTION D.1 FACILITY OPERATION CONDITIONS (Continued)

Facility Description [326 IAC 2-8-4(10)]: (Continued)
...
(f) Two (2) lead pig casting machines, each rated at 120,000 tons of lead per year **controlled by the refinery baghouse;**

Insignificant Activities:

(a) Emission units with PM and PM10 emissions less than five (5) tons per year, SO₂, NOx, and VOC emissions less than ten (10) tons per year, CO emissions less than twenty-five (25) tons per year, lead emissions less than two-tenths (0.2) tons per year, single HAP emissions less than one (1) ton per year, and combination of HAPs emissions less than two and a half (2.5) tons per year:

(1) One (1) wood pallet shredder, constructed in 1993, capable of shredding 1,222 pounds of wood per hour, with emissions controlled by the pallet shredder baghouse;

(2) **One (1) slag crusher, constructed in 1994, with emissions controlled by the bin room baghouse;**

(3) **One (1) strip casting machine, constructed in 1997, controlled by a fabric filter baghouse and a HEPA filter unit;**

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

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

...

- (b) These limits are equivalent to the following emission limitations:
- (1) Pursuant to F035-5386-00028, the combined PM10 emissions from the venturi scrubber, fabric filters, twin packed scrubber, twin packed sodium carbonate scrubbers, ventilation baghouse, refinery baghouse, bin room baghouse, and wood pallet shredder baghouse, **and strip casting machine baghouse** shall not exceed **99.85** tons per twelve (12) consecutive month period (22.78pounds per hour).

Emission Units	PM10 Limit (ton/yr)	PM10 Limit (lb/hr)
Battery crusher/breaker (ID#1)	48 9.86	4.44 2.25
Soda ash wash and 2 silos (ID#2)	1	0.23
Rotary dryer (ID#3)	0.2 32.9	0.05 7.50
Reverberatory furnace and charge point (ID#4)	3.58 21.9	0.82 5.00
Blast furnace (cupola) and charge point (ID#5)	3.22	0.74
Pig casting	65 23.0	14.84 5.25
Pot furnaces (6K1-12)	2.3	0.53

Emission Units	PM10 Limit (ton/yr)	PM10 Limit (lb/hr)
Material handling	6	4.37
Slag Crusher	9.86	2.25
Insignificant Activities - Wood Pallet Shredder - Strip casting machine	1.00	0.23

D.1.2 PSD Minor Limit [326 IAC 2-2] ~~[40 CFR 52.24]~~

...

- (b) Emissions of PM shall be less than one hundred (100) tons per twelve consecutive month period (~~22.83~~ **22.7** pounds per hour). This will render the requirements of 326 IAC 2-2 and ~~40 CFR 52.24~~ not applicable.

Emission Units Process	PM Limit (ton/yr)	PM Limit (lb/hr)
Battery crusher/breaker (ID#1)	18 9.86	4.11 2.25
Soda ash wash and 2 silos (ID#2)	1	0.23
Rotary dryer (ID#3)	0.2 32.9	0.05 7.50
Reverberatory furnace and charge point (ID#4)	3.58 21.9	0.82 5.00
Blast furnace (cupola) and charge point (ID#5)	3.22	0.74
Pig casting	65 23.0	14.84 5.25
Pot furnaces (6K1-12)	2.3	0.53
Material handling	6	4.37
Slag Crusher	9.86	2.25
Insignificant Activities - Wood Pallet Shredder - Strip casting machine	1.00	0.23

SECTION D.2

FACILITY OPERATION CONDITIONS

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

- (a) Emission units with PM and PM10 emissions less than five (5) tons per year, SO₂, NO_x, and VOC emissions less than ten (10) tons per year, CO emissions less than twenty-five (25) tons per year, lead emissions less than two-tenths (0.2) tons per year, single HAP emissions less than one (1) ton per year, and combination of HAPs emissions less than two and a half (2.5) tons per year:
 - (2) One (1) slag crusher, constructed in 1994, with emissions controlled by the bin room baghouse;
 - (3) One (1) strip casting machine, constructed in 1997, controlled by a fabric filter baghouse and a HEPA filter unit;
- (b) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons;
- (c) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour:
 - (1) One (1) natural gas-fired seven (7) ton melting pot, identified as MP-1, constructed in 1997, with a capacity of 2.2 million British thermal units per hour; and
 - (2) One (1) natural gas-fired thirty-five (35) ton melting pot, identified as MP-2, constructed in 1997, with a capacity of 1.2 million British thermal units per hour.

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

Upon further review, the OAQ has also decided to make the following changes:

Condition B. 10 has been removed from the B section and moved to the front (cover) page of the permit. Conditions in Section B have been renumbered accordingly.

~~B.10 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]~~

- ~~(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:
 - (1) Enforcement action;
 - (2) Permit termination, revocation and reissuance, or modification; and
 - (3) Denial of a permit renewal application.~~
- ~~(b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.~~
- ~~(c) An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in condition B; Emergency Provisions.~~

(Front (cover) page)

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)

OFFICE OF AIR QUALITY

**Exide Technologies
2601 West Mt. Pleasant Blvd.
Muncie, Indiana 47302**

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.

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

Conclusion

This permit revision shall be subject to the conditions of the attached proposed FESOP Permit No. 035-18190-00028.

**Appendix A: Emissions Calculations
Summary
Adjustment to FESOP Emission Caps**

Company Name: Exide Technologies
Address: 2601 West Mt. Pleasant Blvd., Muncie, Indiana 47302
Registration: 035-18190
Pit ID: 035-00028
Reviewer: ERG/SD
Date: February 3, 2003

Emission Unit	Control Unit	FESOP Limit	
		* (lbs/hour)	(tons/year)
Battery crusher/breaker	Venturi scrubber	2.25	9.86
Soda ash pneumatic conveying through 2 silos	Fabric filters	0.23	1.00
Reverberatory furnace Blast furnace	Process baghouse	5.00	21.9
Pot furnaces Pig casting	Refinery baghouse	5.25	23.0
Rotary dryer	Ventilation baghouse	7.50	32.9
Material handling Slag Crusher	Bin room baghouse	2.25	9.86
Insignificant activities - Wood pallet shredder	Pallet shredder baghouse	0.23	1.00

Total PTE (tons per year) = 99.5
Total PTE (lbs per hour) = 22.7

* The pound per hour limits are from the stack test data submitted by the source.
 The stack test was performed from 1996 through 2003.