



Mitchell E. Daniels, Jr.  
Governor

Thomas W. Easterly  
Commissioner

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

TO: Interested Parties / Applicant  
DATE: October 20, 2005  
RE: Exide Technologies / 035-21590-00028  
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 1/10/05



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October 20, 2005

Mr. Steve Bennett  
Exide Technologies  
P.O. Box 2098  
Muncie, Indiana 47302

Re: 035-21590-00028  
First Administrative Amendment to FESOP  
035-14180-00028

Dear Mr. Bennett:

Exide Technologies was issued a FESOP on February 25, 2002 for a secondary lead smelting plant. A letter requesting permission to modify the existing scrap dryer was received on August 2, 2005. Pursuant to the provisions of 326 IAC 2-8-10, the permit is hereby administratively amended as follows:

- The Permittee requested to replace the 6 MMBtu/hr natural gas fired burner for the existing rotary dryer (identified as ID #3) with a new 12.5 MMBtu/hr natural gas fired burner. The Permittee stated that this burner replacement project for the existing scrap dryer will give them flexibility to dry scraps that may have greater moisture content. The current scrap dryer is coupled to the front-end of the reverberatory furnace (ID #4) that has a throughput limit of 100,000 tons/yr. The maximum throughput rate of the scrap dryer is bottlenecked by the throughput rate of the reverberatory furnace. Since the Permittee does not plan to increase the throughput limit for the existing reverberatory furnace, this burner replacement project will not increase the maximum capacity of the existing scrap dryer. In addition, the cost of this modification project (\$52,000) is less than 50% of the cost to replace the entire scrap dryer (\$402,000). Therefore, this modification is not considered a reconstruction of the existing scrap dryer under the NESHAP for Secondary Lead Smelting (40 CFR 63, Subpart X ) according to the reconstruction definition in 40 CFR 63.2.

The emissions from the rotary dryer consist of the emissions from the drying process and the emissions from the natural gas combustion. Since this modification will not change the maximum process rate of the dryer, the emissions from the drying process remain unchanged. The PTE of the combustion process will increase due to the increase in the burner size. The potential to emit PM and all criteria pollutants from the new 12.5 MMBtu/hr natural gas fired burner is less than the exemption thresholds in 326 IAC 2-1.1-3(e). In addition, the PTE of the entire source will remain less than the Title V and PSD major source thresholds after this modification. Therefore, the installation of the new burner for this dryer is exempt from the permitting requirements.

The Permittee also proposed to install a new baghouse (identified as the rotary dryer baghouse) to control only the particulate emissions from the rotary dryer ID #3. The pressure drop range is 2 to 10 inches of water for the new baghouse during normal operation. Currently, the rotary dryer is controlled by the ventilation baghouse, which also controls the fugitive emissions from the furnace charge point hoods. The existing dryer has the following PM and PM10 limits in F035-14180-00028, issued on February 25, 2002:

Emission Unit	Control Device	Existing PM/PM10 Limit (lbs/hr)	Existing PM/PM10 Limit (tons/yr)
Rotary dryer and fugitive emissions from the furnace charge point hoods	Ventilation Baghouse	7.5	32.9

After adding the new rotary dryer baghouse, the existing ventilation baghouse will be used to control only the fugitive emissions from the furnace charge point hoods. The Permittee proposed

to split the existing PM and PM10 limits for the ventilation baghouse as follows:

Emission Unit	Control Device	Proposed PM/PM10 Limit (lbs/hr)	Proposed PM/PM10 Limit (tons/yr)
Rotary dryer	Rotary Dryer Baghouse	4.5	19.7
Fugitive emissions from the furnace charge point hoods	Ventilation Baghouse	3.0	13.2
Total		7.5	32.9

Since the PTE of PM/PM10 from the entire source remains the same after splitting the existing PM/PM10 emission limits, the installation of the new baghouse with the existing dryer will not require adjustment to the existing emission cap limitations for other units.

Pursuant to 40 CFR 63.544(d) and Condition D.1.5(c) in FESOP #035-14180-00028, issued on February 25, 2002, lead emissions from the scrap dryer shall be controlled by a control device and shall not exceed 0.00087 grains per dry standard cubic foot (gr/dscf). In addition, lead emissions from the ventilation baghouse, which were used to control both the emissions from the scrap dryer and the fugitive emissions from the furnaces, were limited to less than 0.5 mg/dscm pursuant to 326 IAC 20-13-3 and Condition D.1.4(b) in FESOP #035-14180-00028, issued on February 25, 2002. Since the Permittee will install a new rotary dryer baghouse to control only the emissions from the scrap dryer, lead emissions from the new rotary dryer baghouse shall comply with both the limit of 0.00087 gr/dscf in 40 CFR 63.544(d) and the limit of 0.5 mg/dscm in 326 IAC 20-13-3. Therefore, Condition D.1.4(b) has been revised to include the new emission point of rotary dryer baghouse.

The Permittee will be required to perform a stack test on the new rotary dryer baghouse to demonstrate compliance with the PM/PM10 emission limitations in Conditions D.1.1 and D.1.2 and the lead emission limitations in the revised Condition D.1.4(b) and Condition D.1.5(c). Therefore, Condition D.1.13 has been revised to include the initial stack testing requirement for the new rotary dryer baghouse.

In addition, since there will be a new emission point for the existing scrap dryer, Condition D.1.9 has revised to include the particulate emission limit for the scrap dryer, pursuant to 326 IAC 6-3-2. Failure to take response steps is considered to be a deviation from the permit, not a violation. Therefore, Condition A.2 and Section D.1 have been revised as follows to reflect the above changes:

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

...

- (c) One (1) natural gas-fired rotary dryer, identified as ID #3, constructed in 1989 and **modified in 2005**, with a maximum capacity of **100,000 tons of lead scrap per year and a maximum heat input capacity of 12.5** ~~six (6)~~ million British thermal units per hour, ~~which is controlled by the ventilation~~ **rotary dryer baghouse**;
- (d) One (1) lead reverberatory furnace and reverberatory charge point, identified as 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. **Fugitive emissions from this unit are controlled by the ventilation baghouse**;
- (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. **Fugitive emissions from this unit are controlled by the ventilation baghouse**;

...

**SECTION D.1 FACILITY OPERATION CONDITIONS**

**Facility Description [326 IAC 2-8-4(10)]:**  
...  
(c) One (1) natural gas-fired rotary dryer, identified as ID #3, constructed in 1989 **and modified in 2005**, with a maximum capacity of **100,000 tons of lead scrap per year and a maximum heat input capacity of 12.5** ~~six (6)~~ million British thermal units per hour, ~~which is controlled by the ventilation rotary dryer baghouse;~~  
(d) One (1) lead reverberatory furnace and reverberatory charge point, identified as 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. **Fugitive emissions from this unit are controlled by the ventilation baghouse;**  
(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. **Fugitive emissions from this unit are controlled by the ventilation baghouse;**  
...  
(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, **issued on December 13, 1996, and revised by Administrative Amendment No. 035-21590-00028**, the combined PM10 emissions from the venturi scrubber, fabric filters, twin packed scrubber, twin packed sodium carbonate scrubbers, ventilation baghouse, **rotary dryer 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)	<del>32.9</del> <b>19.7</b>	<del>7.50</del> <b>4.50</b>
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
<b>Fugitive emissions from the furnace charge points hoods (ventilation baghouse)</b>	<b>13.2</b>	<b>3.00</b>

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

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- ...
- (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)	<del>32.9</del> <b>19.7</b>	<del>7.50</del> <b>4.50</b>
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
<b>Fugitive emissions from the furnace charge points hoods (ventilation baghouse)</b>	<b>13.2</b>	<b>3.00</b>

- (c) Pursuant to F035-5386-00028, issued on December 13, 1996, and revised by Administrative Amendment No. 035-21590-00028, the combined lead emissions from the venturi scrubber, soda ash silo fabric filters, twin packed sodium carbonate scrubbers, ventilation baghouse, **rotary dryer 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 52.24~~ not applicable.

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

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- ...
- (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
<b>Rotary Dryer Baghouse</b>	<b>0.5</b>
Refinery Baghouse	0.5
Bin Room Baghouse	0.5
Venturi Scrubber (battery breaker scrubber)	0.5
Sodium Carbonate Scrubbers	1.0

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

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Pursuant to 326 IAC 6-3-2 (~~Process Operations~~ **Particulate Emission Limitations for Manufacturing Processes**), the particulate matter (PM) emissions from the following units shall be limited as follows when operating at the listed process weight rate.

Unit	Process Weight Rate (ton/yr)	Process Weight Rate (lbs/hr)	Emission Limit (lb/hr)
Battery crusher/breaker	126,000	14.4	24.5
Soda ash wash and 2 silos	6,389	0.73	3.3
<b>Rotary Dryer</b>	<b>100,000</b>	<b>11.4</b>	<b>21.0</b>
Reverberatory furnace and charge point	100,000	11.4	21.0
Blast furnace (cupola) and charge point	30,000	3.42	9.4
Pig casting	240,000	27.4	37.7
Pot Furnaces	120,000	13.7	23.7
Material handling	126,000	14.4	24.5
Wood pallet shredder	1,222	0.14	2.95

...

**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, **rotary dryer 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.1.13 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; **and**
  - (3) **PM and PM10 testing on the rotary dryer within 180 days after initial startup of the rotary dryer baghouse.**
- ...
- (c) **Within 180 days after initial start up of the rotary dryer baghouse, in order to demonstrate compliance with Conditions D.1.4(b) and D.1.5(c), the Permittee shall perform lead testing for the scrap dryer utilizing methods as approved by the Commissioner. Testing shall be conducted in accordance with Section C- Performance Testing.**

**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, **and rotary dryer 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.
- ...
- (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~~ **deviation from** this permit.

**D.1.15 Parametric Monitoring**

...

- (g) **Rotary dryer baghouse – 2 inches to 10 inches.**

...

**D.1.17 Broken or Failed Bag or Filter Detection**

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- (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~~ **deviation from** this permit.

...

Upon further review, IDEM, OAQ has made following changes:

1. Only the title of the "Authorized Individual" is required to be listed in the permit. In addition, Delaware County has been designated as nonattainment for the 8-hour ozone standard. The potential to emit VOC and NOx from this source is limited to less than 100 tons/yr. Therefore, this source is an Emission Offset minor source. Since the potential to emit HAP from this source is limited to less than 10 tons/yr for a single HAP and less than 25 tons/yr for total HAP. This source is a minor source under Section 112 of the Clean Air Act. Condition A.1 has been revised as follows to reflect these changes:

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

---

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

Authorized individual:	<del>James E. Werbe</del> <b>V.P. of Operations Global Recycling</b>
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
<del>County Source Location Status:</del>	Delaware
<del>Source Location County Status:</del>	<b>Nonattainment for 8-hour Ozone Standard</b>
Source Status:	Attainment for all <b>other</b> criteria pollutants Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD <b>and Emission Offset;</b> <b>Minor Source, Section 112 of the Clean Air Act</b> 1 of 28 source categories

2. The mailing address to IDEM, OAQ has been changed as follows:

100 North Senate Avenue  
~~P.O. Box 6015~~  
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

This change has been made throughout the whole permit.

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

Pursuant to Contract No. A305-5-65, IDEM, OAQ has assigned the processing of this application to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Yu-Lien Chu, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7871 to speak directly to Ms. Chu. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, Indianapolis, Indiana, 46204-2251, 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,  
Assistant Commissioner  
Office of Air Quality

#### Attachments

ERG/YC

cc: File – Delaware County  
Delaware County Health Department  
Air Compliance Section Inspector – Marc Goldman  
Compliance Data Section  
Administrative and Development  
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: February 25, 2002 Expiration Date: February 25, 2007

First Significant Permit Revision No. 035-18190-00025, issued June 28, 2004

First Administrative Amendment No.: 035-21590-00028	Pages affected: 4, 23-30
Original signed by: Paul Dubenetzky, Assistant Commissioner Office of Air Quality	Issuance Date: October 20, 2005

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

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**Stratospheric Ozone Protection**

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

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

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

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

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

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

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

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

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

D.1.9 Particulate Emissions [326 IAC 6-3-2]

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

**Compliance Determination Requirements**

D.1.11 Particulate Matter (PM)

D.1.12 Sulfur Dioxide

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

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

D.1.14 Visible Emission Notations

D.1.15 Parametric Monitoring

D.1.16 Baghouse or Filter Inspection

D.1.17 Broken or Failed Bag or Filter Detection

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

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

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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)]

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

Authorized individual:	V.P. of Operations Global Recycling
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
County Location:	Delaware
Source Location Status:	Nonattainment for 8-hour Ozone Standard Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD and Emission Offset; Minor Source, Section 112 of the Clean Air Act 1 of 28 source categories

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

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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 and modified in 2005, with a maximum capacity of 100,000 tons of lead scrap per year and a maximum heat input capacity of 12.5 million British thermal units per hour, controlled by the rotary dryer baghouse;
- (d) One (1) lead reverberatory furnace and reverberatory charge point, identified as 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. Fugitive emissions from this unit are controlled by the ventilation baghouse;
- (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. Fugitive emissions from this unit are controlled by the ventilation baghouse;
- (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, SO<sub>2</sub>, NO<sub>x</sub>, 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]

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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]

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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)]

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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]

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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)]

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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)]

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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)]

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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)]

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(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  
Indianapolis, Indiana 46204-2251

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  
Indianapolis, Indiana 46204-2251

- (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  
Indianapolis, Indiana 46204

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.

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

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- (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  
Indianapolis, Indiana 46204-2251

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 Δauthorized 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 Δauthorized 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)]**

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- (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  
Indianapolis, Indiana 46204-2251

- (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  
Indianapolis, Indiana 46204-2251

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  
Indianapolis, Indiana 46204-2251

and

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

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

- (5) The Permittee maintains records on-site 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]**

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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]**

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- (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  
Indianapolis, Indiana 46204-2251  
  
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 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

## SECTION C SOURCE OPERATION CONDITIONS

<b>Entire Source</b>
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### Emissions Limitations and Standards [326 IAC 2-8-4(1)]

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

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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]

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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]

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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)]

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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]

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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)]

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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]

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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]

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- (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  
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers

and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification 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]**

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- (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  
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require 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]**

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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)]**

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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)]**

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- (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]**

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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)]**

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- (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]**

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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]**

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- (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]**

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- (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]**

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- (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]**

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- (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 IAC 2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

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

- (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 ~~A~~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**

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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 and modified in 2005, with a maximum capacity of 100,000 tons of lead scrap per year and a maximum heat input capacity of 12.5 million British thermal units per hour, controlled by the rotary dryer baghouse;
- (d) One (1) lead reverberatory furnace and reverberatory charge point, identified as 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. Fugitive emissions from this unit are controlled by the ventilation baghouse;
- (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. Fugitive emissions from this unit are controlled by the ventilation baghouse;
- (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, SO<sub>2</sub>, NO<sub>x</sub>, 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 SO<sub>2</sub> emissions by 85%.
- (b) These limits are equivalent to the following emission limitations:

- (1) Pursuant to F035-5386-00028, issued on December 13, 1996, and revised by Administrative Amendment No. 035-21590-00028, the combined PM10 emissions from the venturi scrubber, fabric filters, twin packed scrubber, twin packed sodium carbonate scrubbers, ventilation baghouse, rotary dryer 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)	19.7	4.50
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		
Slag Crusher	9.86	2.25
Insignificant Activities - Wood Pallet Shredder - Strip casting machine	1.00	0.23
Fugitive emissions from the furnace charge points hoods (ventilation baghouse)	13.2	3.00

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 SO<sub>2</sub> 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 SO<sub>2</sub> limitations limit source wide emissions to less than one hundred (100) tons per twelve (12) consecutive month period for both PM10 and SO<sub>2</sub>. 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)	19.7	4.50
Reverberatory furnace and charge point (ID #4)	21.9	5.00

Emission Units	PM Limit (ton/yr)	PM Limit (lb/hr)
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
Fugitive emissions from the furnace charge points hoods (ventilation baghouse)	13.2	3.00

- (c) Pursuant to F035-5386-00028, issued on December 13, 1996, and revised by Administrative Amendment No. 035-21590-00028, the combined lead emissions from the venturi scrubber, soda ash silo fabric filters, twin packed sodium carbonate scrubbers, ventilation baghouse, rotary dryer 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 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
Rotary Dryer 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 SO<sub>2</sub>. Pursuant to this rule, the SO<sub>2</sub> 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 Emissions [326 IAC 6-3-2]**

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), particulate emissions from the following units shall be limited as follows when operating at the listed process weight rate.

Unit	Process Weight Rate (ton/yr)	Process Weight Rate (lbs/hr)	Emission Limit (lb/hr)
Battery crusher/breaker	126,000	14.4	24.5
Soda ash wash and 2 silos	6,389	0.73	3.3
Rotary Dryer	100,000	11.4	21.0
Reverberatory furnace and charge point	100,000	11.4	21.0
Blast furnace (cupola) and charge point	30,000	3.42	9.4
Pig casting	240,000	27.4	37.7
Pot Furnaces	120,000	13.7	23.7
Material handling	126,000	14.4	24.5
Wood pallet shredder	1,222	0.14	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, rotary dryer 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 SO<sub>2</sub> 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 PM<sub>10</sub> 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; and
- (3) PM and PM10 testing on the rotary dryer within 180 days after initial startup of the rotary dryer baghouse.

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.
- (c) Within 180 days after initial start up of the rotary dryer baghouse, in order to demonstrate compliance with Conditions D.1.4(b) and D.1.5(c), the Permittee shall perform lead testing for the scrap dryer utilizing methods as approved by the Commissioner. Testing shall be conducted in accordance with Section C- Performance Testing.

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

##### **D.1.14 Visible Emissions Notations**

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- (a) Visible emission notations of the bin room baghouse, refinery baghouse, twin packed bed scrubber, venturi scrubber, ventilation baghouse, and rotary dryer 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 deviation from this permit.

##### **D.1.15 Parametric Monitoring**

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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.
- (g) Rotary dryer 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 deviation from 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**

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- (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**

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- (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:

- 9 Annual Compliance Certification Letter
- 9 Test Result (specify) \_\_\_\_\_
- 9 Report (specify) \_\_\_\_\_
- 9 Notification (specify) \_\_\_\_\_
- 9 Affidavit (specify) \_\_\_\_\_
- 9 Other (specify) \_\_\_\_\_

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

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE BRANCH  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251  
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**

**Page 1 of 2**

**9** This is an emergency as defined in 326 IAC 2-7-1(12)  
XThe 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  
XThe 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 <sub>2</sub> , VOC, NO <sub>x</sub> , 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: \_\_\_\_\_

Page 1 of 2

<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 <input type="checkbox"/> No deviations occurred this reporting period.</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

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

Form Completed By:

Title/Position:

Date:

Phone:

Attach a signed certification to complete this report.