City of Indianapolis
DPW
Department of Public Works
Bart Peterson, Mayor

TO: Interested Parties / Applicant

RE: Quemetco, Inc. / 097-23220-00079

FROM: Felicia A. Robinson
Administrator
City of Indianapolis
Office of Environmental Services

Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

If you have technical questions regarding the enclosed documents, please contact the Indianapolis Office of Environmental Services, Air Permits at (317) 327-2234.

Enclosures

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Department of Public Works
Office of Environmental Services
2700 Belmont Avenue
Indianapolis, IN 46221
317-327-2234
Fax 327-2274
TDD 327-5186
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September 14, 2006

City of Indianapolis
DPW
Department of Public Works
Bart Peterson, Mayor

Mr. Robert Kelsey
Quemetco, Inc.
7870 West Morris Street
Indianapolis, IN 46231

Certified Mail Number: 7000 0600 0023 5186 5652

Re: Second Administrative Amendment
097-23220-00079 to
Part 70 Operating Permit T097-6201-00079

Dear Mr. Kelsey:

Quemetco, Inc. was issued a Part 70 permit on June 30, 2004 for a stationary secondary lead smelting and refining operation. A Minor Permit Modification 097-19787-00079 was issued on September 7, 2005 and a First Administrative Amendment was issued on February 21, 2006. An application was received on May 22, 2006, requesting to correct and clarify the descriptive information listed in the permit. This amendment will not change the source's potential to emit (PTE). Since there are no new applicable requirements being added, pursuant to the provisions of 326 IAC 2-7-11(a)(7), the permit is hereby administratively amended as follows: (the bold language is new language that has been added, and the language with a line through it has been deleted).

1. To reflect the descriptive changes, Condition A.2 and facility description D.1 has been changed as follows:

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

The stationary source consists of the following permitted emission units and pollution control devices with the vents and pick-up points set out in Table 1 in Appendix A:

(a) One (1) Reverberatory Furnace, identified as Emission Unit 3.1, used in the smelting of lead from lead acid batteries and scrap lead. The reverberatory furnace receives charge material from the Rotary Dryer in a continuous process. The furnace is heated by an oxygen enriched 32 million Btu per hour natural gas fired burner system. Molten lead is tapped directly into refining kettles or into molds for subsequent placement/refining in the refining kettles. Lead containing slag is tapped for further lead recovery in one of two electric arc furnaces. Process flue gas emissions **and emissions from a ventilation line known as "the Reverb Furnace Flue and Feed end"** are controlled by Baghouse #035 and Scrubber #046. The controlled emissions exhaust to one stack identified as Stack/Vent S-111. Stack/Vent S-111 is equipped with a Continuous Emissions Monitor (CEM) for sulfur dioxide (SO_2) emissions. The maximum charge capacity for the Reverberatory Furnace is 828 tons per day. This emission unit was installed in 1972.

…….

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SECTION D.1 FACILITY OPERATION CONDITIONS

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

(a) One (1) Reverberatory Furnace, identified as Emission Unit 3.1, used in the smelting of lead from lead acid batteries and scrap lead. The reverberatory furnace receives charge material from the Rotary Dryer in a continuous process. The furnace is heated by an oxygen enriched 32 million Btu per hour natural gas fired burner system. Oxygen is also introduced directly into the furnace through an oxygen lance. Molten lead is tapped directly into refining kettles or into molds for subsequent placement/refining in the refining kettles. Lead containing slag is tapped for further lead recovery in one of two electric arc furnaces. Process flue gas emissions **and emissions from a ventilation line known as "the Reverb Furnace Flue and Feed end"** are controlled by Baghouse #035 and Scrubber #046. The controlled emissions exhaust to one stack identified as Stack/Vent S-111. Stack/Vent S-111 is equipped with a Continuous Emissions Monitor (CEM) for sulfur dioxide (SO_2) emissions. The maximum charge capacity for the Reverberatory Furnace is 828 tons per day. This emission unit was installed in 1972.

(b) One (1) 2500 kVA Electric Arc Slag Reduction Furnace (SRF), identified as Emission Unit 3.3, that concurrently processes hot slag from the Reverberatory Furnace and cold slag in a continuous process. Cold slag is taken from storage and is placed in a hopper. Hot slag is conveyed from the Reverberatory Furnace to the SRF. Molten lead is tapped into molds for subsequent placement/refining in the refining kettles. Slag is tapped and stored awaiting proper disposal or reprocessing if the lead content is high enough. Emissions are controlled by Baghouse #037 and Scrubber #046 which exhaust to one stack identified as Stack/Vent S-111. Stack/Vent S-111 is equipped with a Continuous Emissions Monitor (CEM) for sulfur dioxide (SO_2) emissions. The maximum charge capacity for the Slag Reduction Furnace is 132 tons per day. This emission unit was installed in 1995.

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

2. The telephone and fax numbers for IDEM, OAQ (Compliance Section) have been updated.

3. IDEM and OES have decided to include the following updates to further address and clarify the permit terms and the terms of the conditions. This includes changes to the following B conditions: Permit Term, Annual Compliance Certification, Prior Permits Superceded, Permit Renewal, Term of Conditions, Permit Amendment or Modification, and Credible Evidence.

B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5]

(a) This permit**, 097-6201-00079,** is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date.

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

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through

December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted ~~in letter form~~ no later than April 15 of each year to:

…….

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5] **[326 IAC 2-7-10.5]**

(a) All terms and conditions of ~~previous~~ permits **established prior to 097-6201-00079 and** issued pursuant to permitting programs approved into the state implementation plan have been either

(1) incorporated as originally stated,

(2) revised **under 326 IAC 2-7-10.5**, or

(3) deleted **under 326 IAC 2-7-10.5.**

by this permit.

(b) ~~All previous registrations and permits are superseded by this permit.~~ **Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.**

B.16 Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4]

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

Request for renewal shall be submitted to:
Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services
Air Permits
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

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

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

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

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

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

(c) ~~Right to Operate After Application for Renewal [326 IAC 2-7-3]~~
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, and OES, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, and OES, any additional information identified as being needed to process the application.

~~(d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]~~
~~If IDEM, OAQ, and OES fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.~~

B.17 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

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

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services
Air Permits
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

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

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

~~(d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.~~

B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314]

~~Notwithstanding the conditions of this permit that state specific methods that may be used to demonstrate compliance with, or a violation of, applicable requirements, any person (including the Permittee) may also use other credible evidence to demonstrate compliance with, or a violation of, any term or condition of this permit.~~ **For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of**

any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

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

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Anh-tuan Nguyen at (317) 327-2353.

Sincerely,

Original Signed by

Felicia A. Robinson
Administrator

Attachments: Updated Permit
FAR/an

cc: File
Marion County Health Department
Air Compliance – Matt Mosier
IDEM, OAQ – Mindy Hahn

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF AIR QUALITY
and
CITY OF INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES

PART 70 OPERATING PERMIT

Quemetco, Inc.
7870 West Morris Street
Indianapolis, Indiana 46231

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

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17 and the Code of Indianapolis and Marion County, Chapter 511. This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-7-10.5, applicable to those conditions.

Operation Permit No.: T097-6201-00079	
Original signed by: Janet G. McCabe, Assistant Commissioner Office of Air Quality Original signed by: John B. Chavez, Administrator Indianapolis Office of Environmental Services	Issuance Date: June 30, 2004 Expiration Date: June 30, 2009
First Minor Permit Modification No.: 097-19787-00079 First Administrative Amendment No.: 097-21347-00079	Issuance Date: September 7, 2005 Issuance Date: February 21, 2006
Second Administrative Amendment No.: 097-23220-00079	Conditions Affected: A.2, B.2, B.9, B.13, B.16, B.17, B.24, and D.1
Issued by: Original Signed by Felicia A. Robinson, Administrator Indianapolis Office of Environmental Services	Issuance Date: September 14, 2006 Expiration Date: June 30, 2009

Department of Public Works
Office of Environmental Services
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Indianapolis, IN 46221
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SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary secondary lead smelting and refining operation under a Standard Industrial Classification (SIC) Code of 3341 (Secondary Smelting and Refining of Nonferrous Metals).

Responsible Official:	Vice President, Indiana Operations
Source Address:	7870 West Morris Street, Indianapolis, Indiana 46231
Mailing Address:	7870 West Morris Street, Indianapolis, Indiana 46231
General Phone Number:	Robert Kelsey, (317) 247-1303, extension 12
SIC Code:	3341
County Location:	Marion
Source Location Status:	Nonattainment for ozone under the 8-hour standard, Nonattainment for PM2.5 Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD Rule and Emission Offset Rules and Nonattainment NSR; Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

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

The stationary source consists of the following permitted emission units and pollution control devices with the vents and pick-up points set out in Table 1 in Appendix A:

(a) One (1) Reverberatory Furnace, identified as Emission Unit 3.1, used in the smelting of lead from lead acid batteries and scrap lead. The reverberatory furnace receives charge material from the Rotary Dryer in a continuous process. The furnace is heated by an oxygen enriched 32 million Btu per hour natural gas fired burner system. Oxygen is also introduced directly into the furnace through an oxygen lance. Molten lead is tapped directly into refining kettles or into molds for subsequent placement/refining in the refining kettles. Lead containing slag is tapped for further lead recovery in one of two electric arc furnaces. Process flue gas emissions and emissions from a ventilation line known as “the Reverb Furnace Flue and Feed end” are controlled by Baghouse #035 and Scrubber #046. The controlled emissions exhaust to one stack identified as Stack/Vent S-111. Stack/Vent S-111 is equipped with a Continuous Emissions Monitor (CEM) for sulfur dioxide (SO_2) emissions. The maximum charge capacity for the Reverberatory Furnace is 828 tons per day. This emission unit was installed in 1972.

(b) One (1) 2500 kVA Electric Arc Slag Reduction Furnace (SRF), identified as Emission Unit 3.3, that concurrently processes hot slag from the Reverberatory Furnace and cold slag in a continuous process. Cold slag is taken from storage and is placed in a hopper. Hot slag is conveyed from the Reverberatory Furnace to the SRF. Molten lead is tapped into molds for subsequent placement/refining in the refining kettles. Slag is tapped and stored awaiting proper disposal or reprocessing if the lead content is high enough. Emissions are controlled by Baghouse #037 and Scrubber #046 which exhaust to one stack identified as Stack/Vent S-111. Stack/Vent S-111 is equipped with a Continuous

Emissions Monitor (CEM) for sulfur dioxide (SO_2) emissions. The maximum charge capacity for the Slag Reduction Furnace is 132 tons per day. This emission unit was installed in 1995.

(c) Process Fugitive Emissions from one (1) Reverberatory Furnace, identified as Emission Unit 3.1, used in the smelting of lead from lead acid batteries and scrap lead. Emissions from lead charging are controlled by Baghouses #038 and #041, respectively, and exhaust to one stack identified as Stack/Vent S-100. General furnace emissions are controlled by Baghouse #041 and exhaust to one stack identified as Stack/Vent S-100. Emissions from lead tapping are controlled by Baghouse #039 or Baghouse #040 which exhaust to one stack identified as Stack/Vent S-100. Stack/Vent S-100 is equipped with a Continuous Emissions Monitor (CEM) for sulfur dioxide (SO_2) emissions. The maximum charge capacity for the Reverberatory Furnace is 828 tons per day. This emission unit was installed in 1972.

(d) Eight (8) refining kettles, identified as Emission Unit Kettle #1 through Kettle #8, which are used to refine the lead alloy. The refining kettles receive molten lead, solid lead or scrap lead. Reagents and alloying metals are added to the Kettle(s) and mixed into molten lead. A natural gas fired burner system indirectly heats the lead. The combined heat input capacity for the natural gas fired burners is 32 million Btu per hour. Impurities are removed as dross from the surface of the molten lead. Process emissions are controlled by Baghouse #039 or Baghouse #040 which exhaust to one stack identified as Stack/Vent S-100. Stack/Vent S-100 is equipped with a Continuous Emissions Monitor (CEM) for sulfur dioxide (SO_2) emissions. Combustion emissions from the natural gas burners are vented to separate stacks. Combustion emissions from Kettle #1 are vented to Stack/Vent S-117. Combustion emissions from Kettle #2 are vented to Stack/Vent S-114. Kettle #3 and Kettle #4 are vented to Stack/Vent S-116. Combustion emissions from Kettle #5 and Kettle #6 are vented to Stack/Vent S-115. Combustion emissions from Kettle #7 are vented to Stack/Vent S-113. Combustion emissions from Kettle #8 are vented to Stack/Vent S-112. Kettles #1 through #6 were installed in 1972. Kettles #7 and #8 were installed in 1988 and 1992 respectively. The refining operation is not a time based operation therefore there is no maximum throughput capacity identified. However, an average based on 24 hours of operation and full kettles is 46.3 tons per hour.

(e) Refining Kettle #9, identified as Emission Unit Kettle #9. Kettle #9 has a capacity of 2.14 tons of lead per hour (180 ton capacity with two batches per week) and is heated by a 4.25 million Btu natural gas burner. The kettle is used to refine lead. Emissions from Kettle #9 are controlled by Baghouse #041, which exhaust to one stack identified as Stack/Vent S-100. Stack/Vent S-100 is equipped with a Continuous Emissions Monitor (CEM) for sulfur dioxide (SO_2) emissions. Burner emissions are vented through a combustion flue, Stack/Vent S-118, with no controls. Kettle # 9 was installed in 2002.

(f) One (1) Casting Machine, identified as Emission Unit 7 which receives refined and alloyed lead metal pumped from the refining kettles and casts the molten lead into lead ingots. The casting machine is equipped with a 0.3 million Btu per hour natural gas burner. Emissions from the casting machine are controlled by Baghouse #040 or Baghouse #039 which exhausts to one stack identified as Stack/Vent S-100. Stack/Vent S-100 is equipped with a Continuous Emissions Monitor (CEM) for sulfur dioxide (SO_2) emissions. The maximum process capacity is limited by the refining kettles. This emission unit was installed prior to 1978.

(g) One (1) Electric Arc Furnace (EAF), identified as Emission Unit 3.2, used to recover lead from Reverberatory Furnace slag. The EAF is charged with lead containing materials, and flux, reagents and additives in a continuous process. The charge is heated and melted by passing an electric current through the charge. Molten lead is tapped into molds for subsequent placement/refining in the refining kettles. Slag is tapped and sent to storage to await proper disposal or reprocessing if the lead content is high enough. Process flue gas emissions within the furnace are controlled by Baghouse #036 which exhausts to one stack identified as Stack/Vent S-100. Emissions from lead tapping and

slag tapping are controlled by Baghouse #036 which exhausts to one stack identified as Stack/Vent S-100. Process emissions not captured by furnace hoods are controlled by Baghouse #041 which exhausts to one stack identified as Stack/Vent S-100. Stack/Vent S-100 is equipped with a Continuous Emissions Monitor (CEM) for sulfur dioxide (SO_2) emissions. The maximum charge capacity is 6.5 tons per hour. This emission unit was installed in 1984.

(h) One (1) Rotary Dryer, identified as Emission Unit 8, used to dry Reverberatory Furnace feed material. Raw material is dumped into a feed hopper which feeds the Rotary Dryer with lead bearing material and furnace additives from lead acid batteries and factory scrap in a continuous process. The Rotary Dryer is heated by an oxygen enriched 14 million Btu per hour natural gas fired burner system. The emissions generated from charging raw material to the feed hopper are controlled by Baghouse #041, which exhausts to one stack identified as Stack/Vent S-100. Process emissions are controlled by Baghouse #041, which exhausts to one stack identified as Stack/Vent S-100. The process fugitive emissions are controlled by Baghouse #038 and by Baghouse #041, which exhaust to one stack identified as Stack/Vent S-100. Stack/Vent S-100 is equipped with a Continuous Emissions Monitor (CEM) for sulfur dioxide (SO_2) emissions. The maximum process capacity for the Rotary Dryer is limited by the reverberatory furnace. This emission unit was installed prior to 1978.

(i) General Building Ventilation of the bin 10 feed storage area, identified as GV101. Portions of process fugitive emissions generated by operations conducted in this area are controlled by Roof Vent Baghouse RV #1 and exhausting to Stack/Vent S-101. These operations potentially generate fugitive emissions from storage and handling of reverberatory charge materials and general emissions generated by traffic and housekeeping activities. Roof Vent Baghouse RV #1 was installed in 1991.

(j) General Building Ventilation of the cold charge electric arc furnace building west, identified as GV102. Portions of process fugitive emissions generated by operations conducted in this area are controlled by Roof Vent Baghouse RV #2 and exhausting to Stack/Vent S-102. These operations potentially generating fugitive emissions include the Electric Arc Furnace, slag and lead tapping, furnace charging, feed hopper, feed conveyor, charge make-up, slag handling (shaking), and general emissions generated by traffic and housekeeping activities. Roof Vent Baghouse RV #2 was installed in 1991.

(k) General Building Ventilation of the cold charge electric arc furnace building east, identified as GV103. Portions of process fugitive emissions generated by operations conducted in this area are controlled by Roof Vent Baghouse RV #3 and exhausting to Stack/Vent S-103. These operations potentially generating fugitive emissions include the electric arc furnace, slag and lead tapping, furnace charging, feed hopper, feed conveyor, charge make-up, slag handling (shaking), and general emissions generated by traffic and housekeeping activities. Roof Vent Baghouse RV #3 was installed in 1991.

(l) General Ventilation for the reverb charge room, identified as GV104. Portions of process fugitive emissions generated by operations conducted in this area are controlled by Roof Vent Baghouse RV #4 and exhausting to Stack/Vent S-104. These operations potentially generating fugitive emissions include make up of reverberatory charge materials and general emissions generated by traffic and housekeeping activities. Roof Vent Baghouse RV #4 was installed in 1991.

(m) General Ventilation for the cold charge electric arc furnace slag room, identified as GV105. Portions of process fugitive emissions generated by operations conducted in this area are controlled by roof vent Baghouse RV #5 and exhausting to Stack/Vent S-105. These operations potentially generating fugitive emissions include general handling and storage of charge materials such as slag, iron, limestone and coke, and general emissions generated by traffic and housekeeping activities. Roof Vent Baghouse RV #5 was installed in 1991.

(n) General Ventilation for the reverb furnace and slag reduction furnace (SRF), identified as GV106. Portions of process fugitive emissions generated by operations conducted in this area are controlled by Roof Vent Baghouse RV #6 and exhausting to Stack/Vent S-106. These operations potentially generating fugitive emissions include the Reverberatory/Slag Reduction Furnaces - lead and slag tapping, furnace charging, feed conveyor, slag handling, and general emissions generated by traffic and housekeeping activities. Roof Vent Baghouse RV #6 was installed in 1991.

(o) General Ventilation of the north refinery area, identified as GV107. Portions of process fugitive emissions generated by operations conducted in this area are controlled by Roof Vent Baghouse RV #7 and exhausting to Stack/Vent S-107. The operations potentially generating fugitive emissions include the 8 refining kettles, kettle charging, dross skimming, casting, natural gas fired trimmer burners rated at 1.8 million Btu in the casting machine area and general emissions generated by traffic and housekeeping activities. Roof Vent Baghouse RV #7 was installed in 1991.

(p) General Ventilation of the slag reduction furnace area, identified as GV108. Portions of process fugitive emissions generated by operations conducted in this area are controlled by Roof Vent Baghouse RV #8 and exhausting to Stack/Vent S-108. These operations potentially generating fugitive emissions include the slag reduction/ reverberatory furnace - lead and slag tapping, furnace charging, feed conveyor, slag handling and general emissions generated by traffic and housekeeping activities. Roof Vent Baghouse RV #8 was installed in 1992.

(q) General Ventilation of the south refinery area, identified as GV109. Portions of process fugitive emissions generated by operations conducted in this area are controlled by Roof Vent Baghouse RV #9 and exhausting to Stack/Vent S-109. These operations potentially generating fugitive emissions include 8 refining kettles, kettle charging, dross skimming, casting and general emissions generated by traffic and housekeeping activities. Roof Vent Baghouse RV #9 was installed in 1995.

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

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

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million 10,000,000) Btu per hour [326 IAC 6.5-1-2]

(1) Maintenance Office HVAC system for natural gas heating at 70,000 Btu per hour.

(b) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4][326 IAC 20-13][40 CFR 63.541, Subpart X]

(c) Emergency Gasoline generators not exceeding 110 horsepower. [326 IAC 6.5-1-2]

(d) Emergency Diesel generators not exceeding 1600 horsepower. [326 IAC 6.5-1-2]

(e) Battery Wrecker. [326 IAC 6.5-1-2][326 IAC 20-13][40 CFR 63.541, Subpart X]

(f) Roadway Surface Fugitive Emissions. [326 IAC 6-4][326 IAC 20-13][40 CFR 63.541, Subpart X]

(g) Outside Storage Bins: Coke Storage Bin, Iron Storage Bin and Limestone Storage Bin. [326 IAC 6.5-1-2][326 IAC 20-13][40 CFR 63.541, Subpart X]

(h) General Parts Washing. Installation date of prior to January 1, 1980. [326 IAC 8-3-5]

(i) Five (5) Soda Ash Silos equipped with baghouse filters. [326 IAC 6.5-1-2]

(j) Water Quality Department wet scrubber identified as Unit W W Sly. [326 IAC 6.5-1-2]

(k) Maintenance Shop, emissions controlled by a cartridge filter identified as MS, which exhausts to one stack identified as Stack/Vent MS-1. [326 IAC 6.5-1-2] The Maintenance Shop includes the following, each exhausted at Stack/Vent MS-1:

(1) Activities related to routine fabrication, maintenance and repair of buildings, structures, equipment or vehicles at the source where air emissions from those activities would not be associated with any commercial production process, including:
- (A) Brazing, soldering, or welding operations and associated equipment.
- (B) Batteries and battery charging stations, except at battery manufacturing plants.
- (C) Lubrication, including hand-held spray can lubrication, dipping metal parts into lubricating oil, and manual or automated addition of cutting oil in machining operations.

(2) Activities performed using hand-held equipment including the following:
- (A) Drilling.
- (B) Grinding.
- (C) Machining wood, metal, or plastic.
- (D) Sanding.
- (E) Sawing.
- (F) Turning wood, metal, or plastic.
- (G) Surface Grinding

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

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

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

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

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

B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5]

(a) This permit, 097-6201-00079, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date.

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

B.3 Enforceability [326 IAC 2-7-7]

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

(b) The Indianapolis Air Pollution Control Board (IAPCB) has adopted by reference state rules listed in Appendix B of this permit. The version adopted by reference includes all amendments, additions and repeals filed with the Secretary of State through August 10, 1997 and published in the Indiana Register September 1, 1997, unless otherwise indicated in the adoption by reference or in Appendix A. For the purposes of this permit, all state rules adopted by reference by the IAPCB are enforceable by OES using local enforcement procedures. Unless otherwise stated, all terms and conditions in this permit that are local requirements, including any provisions designed to limit the source's potential to emit, are enforceable by OES.

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

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

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

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

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

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

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

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

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

B.8 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) A responsible official is defined at 326 IAC 2-7-1(34).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

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

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

and

Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

and

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

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

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ, and OES may require to determine the compliance status of the source.

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

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

and

Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

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

(b) The Permittee shall implement the PMPs, including any required record keeping as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ, and OES upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ, and OES. IDEM, OAQ, and OES may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation

Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Emergency Provisions [326 IAC 2-7-16]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, and OES within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for IDEM, OAQ, Compliance Section), or:
Telephone Number: 317-233-0178 (ask for IDEM, OAQ, Compliance Section)
Facsimile Number: 317-233-6865;

and

Telephone Number: 317-327-2234 (ask for OES, Air Compliance)
Facsimile Number: 317-327-2274.

(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 46204-2251

and

Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

within two (2) working days of the time when emission limitations were exceeded due to the emergency.
The notice fulfills the requirement of 326 IAC 2-7-5(3)(c)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

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

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) IDEM, OAQ, and OES may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ, and OES by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

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

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

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

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, and OES shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, or OES has issued the modifications. [326 IAC 2-7-12(c)(7)]

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

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5] [326 IAC 2-7-10.5]

(a) All terms and conditions of permits established prior to 097-6201-00079 and issued pursuant to permitting programs approved into the state implementation plan have been either

(1) incorporated as originally stated,

(2) revised under 326 IAC 2-7-10.5, or

(3) deleted under 326 IAC 2-7-10.5.

by this permit.

(b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

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

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

and

Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

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

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

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, or OES determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ, or OES to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, or OES at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, or OES may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.16 Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4]

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

Request for renewal shall be submitted to:
Indiana Department of Environmental Management

Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services
Air Permits
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

(b) A timely renewal application is one that is:

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

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

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

B.17 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

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

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services
Air Permits
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

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

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

B.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12 (b)(2)]

(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes

for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.19 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services
Air Permits
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

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

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

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

required written notification shall include the following:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

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

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

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

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Source Modification Requirement [326 IAC 2-7-10.5]

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

B.21 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2] [IC 13-30-3-1] [IC 13-17-3-2]

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

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

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

B.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services
Air Permits
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

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

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

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ, and OES 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, or OES, the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licencing, and Training Section), to determine the appropriate permit fee.

B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314]

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

SECTION C **SOURCE OPERATION CONDITIONS**

Entire Source

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

C.1 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of thirty percent (30%) 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.2 Open Burning [326 IAC 4-1] [IC 13-17-9]

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

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

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

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

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

C.5 Standard Operating Procedures to Control Fugitive Dust [40 CFR Part 63.545(a),(b),(c), & (d)][326 IAC 20-13]

Pursuant to 40 CFR Part 63.545 Subpart X (National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting) and 326 IAC 20-13 (Hazardous Air Pollutants: Secondary Lead Smelters), the Permittee shall at all times operate according to the Standard Operating Procedures Manual dated July 18, 2001 that describes in detail the measures that will be put in place to control fugitive dust emission sources within the areas of the secondary lead smelter listed below.

(a) Plant roadways;

(b) Battery breaking area;

(c) Furnace area;

(d) Refining and casting areas; and

(e) Material storage and handling areas.

The Standard Operating Procedures Manual shall include, at a minimum, the requirements of 40 CFR Part 63.545(b),(c) and (d).

C.6 Standards for Process Fugitive Sources [40 CFR 63.544(a),(b) & (c)][326 IAC 20-13]

Pursuant to 40 CFR 63.544(a) Subpart X (National Emission Standards for Hazardous Air Pollutants

from Secondary Lead Smelting) and 326 IAC 20-13 (Hazardous Air Pollutants: Secondary Lead Smelters), the Permittee shall control the process fugitive emission sources listed below in accordance with the operational standards of 40 CFR 63.544(b) and (c).

(a) Smelting furnace and dryer charging hoppers, chutes, and skip hoists;

(b) Smelting furnace lead taps and molds during tapping;

(c) Smelting furnace slag taps and molds during tapping;

(d) Refining kettles;

(e) Dryer transition pieces.

C.7 Operation of Equipment [326 IAC 2-7-6(6)]

Except as otherwise provided by statute or 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 unit(s) vented to the control equipment is (are) in operation.

C.8 Stack Height [326 IAC 1-7]

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

C.9 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:
Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue

Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services
Asbestos Section
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

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

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

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

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

C.10 Performance Testing [326 IAC 3-6]

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

A test protocol, except as provided elsewhere in this permit, shall be submitted to:
Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

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

(b) The Permittee shall notify IDEM, OAQ, and OES of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ, and OES not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, and OES if the Permittee submits to IDEM, OAQ, and OES 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.11 Compliance Requirements [326 IAC 2-1.1-11]

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

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

C.12 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

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

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

and

Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

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

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

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

C.13 Maintenance of Continuous Emission Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

(a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous emission monitoring systems (CEMS) and related equipment.

(b) In the event that a breakdown of a continuous emission monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.

(c) Whenever a continuous emission monitor other than an opacity monitor is malfunctioning or will be down for calibration, maintenance, or repairs for a period of four (4) hours or more, a calibrated backup CEMS shall be brought online within four (4) hours of shutdown of the primary CEMS, and shall be operated until such time as the primary CEMS is back in operation.

(d) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system for sulfur dioxide (SO_2) emissions for Stack/Vent S-100 pursuant to Construction Permit 960079-03 Condition 7(e) issued May 13, 1996 and for Stack/Vent S-111 pursuant to Construction Permit 970079-04 Condition 6(d) issued April 30, 1996.

C.14 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.15 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

(a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (2%) of full scale reading.

(b) Whenever a condition in this permit requires the measurement of a flow rate or pH level, the instrument 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 (2%) of full scale reading.

(c) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one pH point.

(d) The Permittee may request the IDEM, OAQ, and OES to 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 2-7-5] [326 IAC 2-7-6]

C.16 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

(a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on September 20, 1988 and a revised ERP in May 1998.

(b) Upon direct notification by IDEM, OAQ, and OES, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level.
[326 IAC 1-5-3]

C.17 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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

C.18 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. If a Permittee is required to have a Standard Operating Procedures (SOP) Manual or a Start-up, Shutdown, and Malfunction (SSM) Plan under 40 CFR Part 63, such plan shall be deemed to satisfy the requirements for a CRP for those compliance monitoring conditions. A CRP shall be submitted to IDEM, and OES 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 timeframe 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 or Standard Operating Procedures (SOP) Manual or Start-up, Shutdown and Malfunction Plan (SSM) and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan or Standard Operating Procedures (SOP) Manual or Start-up, Shutdown and Malfunction Plan (SSM) to include such response steps taken.

The Standard Operating Procedures (SOP) Manual for Baghouse Leak Detection and Corrective Action and the Standard Operating Procedures Manual (SOP) for Fugitive Lead Dust Sources have been submitted within the time frames specified by the applicable 40 CFR Part 63 requirement.

(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 Standard Operating Procedures (SOP) Manual or Start-up, Shutdown and Malfunction Plan (SSM); or

(2) If none of the reasonable response steps listed in the Compliance Response Plan or Standard Operating Procedures (SOP) Manual or Start-up, Shutdown and Malfunction Plan (SSM) 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, and it will be ten days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ 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 be considered a deviation from 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 a minor permit modification 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, in accordance with Section D, 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.19 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, and OES 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, and OES that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ, and OES may extend the retesting deadline.

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

The response action documents submitted pursuant to this condition do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

C.20 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

(a) Pursuant to 326 IAC 2-6-3(b)(2), starting in 2005 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

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

The statement must be submitted to:

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

and

Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

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

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

C.21 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-3]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner or the OES Administrator makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or the OES Administrator 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) If there is a reasonable possibility that a "project" (as defined in 326 IAC 2-3-1 (ll)) at an existing emissions unit, other than projects at a Clean Unit, which is not part of a "major modification" (as defined in 326 IAC 2-3-1 (z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-3-1 (mm)), the Permittee shall comply with following:

(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-3-1 (ll)) at an existing emissions unit, document and maintain the following records:
- (A) A description of the project.
- (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
- (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
  - (i) Baseline actual emissions;
  - (ii) Projected actual emissions;
  - (iii) Amount of emissions excluded under section 326 IAC 2-3-1(mm)(2)(A)(3); and
  - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

(2) Monitor the emissions of any regulated NSR pollutant that could increase as a

result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and

(3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.22 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-3]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

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

and

Office of Environmental Services
Air Quality Management Section
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and OES on or before the date it is due.

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years.

(f) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-3-1 (ll)) at an existing emissions, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ and OES:

(1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-3-1 (qq), for that regulated NSR pollutant, and

(2) The emissions differ from the preconstruction projection as documented and

maintained under Section C- General Record Keeping Requirements (c)(1)(C)(ii).

(g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:

(1) The name, address, and telephone number of the major stationary source.

(2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements.

(3) The emissions calculated under the actual-to-projected actual test stated 326 IAC 2-3-2(c)(3).

(4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

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

and

Indianapolis OES
Air Compliance
2700 South Belmont Ave.
Indianapolis, IN 46221

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

Stratospheric Ozone Protection

C.23 Compliance with 40 CFR 82 and 326 IAC 22-1

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

(a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.

(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

Total Enclosure Requirements [40 CFR Part 63] [326 IAC 20-13-7]

C.24 Total Enclosure Requirements

In addition to the requirements of 40 CFR 63.8, 40 CFR 63.10 and 40 CFR 63.547(e), a secondary lead smelter using a total enclosure shall do the following:

(a) Pursuant to 40 CFR 63.547(e), the Permittee shall determine compliance with the doorway in

draft requirement of 40 CFR 63.544(b) for enclosed buildings by:

(1) The Permittee shall use a propeller anemometer or equivalent pressure gauge.
(2) The pressure gauge shall be certified by the manufacturer to be capable of measuring pressure differential in a range of 0.02 to 0.2 mm Hg.
(3) Both the inside and outside taps shall be shielded to reduce the effect of wind.
(4) The Permittee shall demonstrate the inside of the building is maintained at a negative pressure as compared to the outside of the building of no less than two hundredths (0.02) mm Hg when all doors are in the position they are in during normal operation.

(b) Pursuant to 326 IAC 20-13-7, submit a plan describing the installation and operation of a continuous monitoring system that meets the requirements of 40 CFR 63.547(e)(2) within ninety (90) days following Permit issuance.

(1) The Permittee shall operate a continuous monitoring system to measure and record pressure differential. The continuous monitoring system shall consist of the following;

(A) A differential pressure sensor capable of measuring pressure within a range of two hundredths (0.02) to two tenths (0.2) millimeter of mercury (one hundredth (0.01) to one tenth (0.1) inch of water).
(B) A processor.
(C) An alarm.
(D) A continuous recording device.

The pressure differential sensor that is located on the east wall of the Bin #10 storage area meets the requirements of section (b)(1) above. Any changes to the location or operation of the system shall require prior written approval by IDEM, OAQ and/or OES.

(2) Initiate corrective actions within thirty (30) minutes of a monitoring system alarm.

(3) Request, if desired, to cease monitoring pressure differential under this subsection twelve (12) months from the commencement date of approved monitoring or the effective date of this rule, whichever is later.

(4) Notify IDEM, OAQ and/or OES of any physical changes including, but not limited to, ventilation capacity and building size. If the IDEM, OAQ and/or OES determines the net effect of any such changes may potentially affect air pressure readings of the building, then the Permittee shall resume monitoring for an additional twelve (12) months. Monitoring may be discontinued in accordance with the procedures under subdivision (4).

(5) Maintain the following on site for a period of three (3) years and have available for an additional two (2) years:

(A) Records of the pressure differential.
(B) Logs of monitoring system alarms, including date and time.
(C) Logs of corrective actions, including date and time.

SECTION D.1 FACILITY OPERATION CONDITIONS

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

(a) One (1) Reverberatory Furnace, identified as Emission Unit 3.1, used in the smelting of lead from lead acid batteries and scrap lead. The reverberatory furnace receives charge material from the Rotary Dryer in a continuous process. The furnace is heated by an oxygen enriched 32 million Btu per hour natural gas fired burner system. Oxygen is also introduced directly into the furnace through an oxygen lance. Molten lead is tapped directly into refining kettles or into molds for subsequent placement/refining in the refining kettles. Lead containing slag is tapped for further lead recovery in one of two electric arc furnaces. Process flue gas emissions and emissions from a ventilation line known as "the Reverb Furnace Flue and Feed end" are controlled by Baghouse #035 and Scrubber #046. The controlled emissions exhaust to one stack identified as Stack/Vent S-111. Stack/Vent S-111 is equipped with a Continuous Emissions Monitor (CEM) for sulfur dioxide (SO_2) emissions. The maximum charge capacity for the Reverberatory Furnace is 828 tons per day. This emission unit was installed in 1972.

(b) One (1) 2500 kVA Electric Arc Slag Reduction Furnace (SRF), identified as Emission Unit 3.3, that concurrently processes hot slag from the Reverberatory Furnace and cold slag in a continuous process. Cold slag is taken from storage and is placed in a hopper. Hot slag is conveyed from the Reverberatory Furnace to the SRF. Molten lead is tapped into molds for subsequent placement/refining in the refining kettles. Slag is tapped and stored awaiting proper disposal or reprocessing if the lead content is high enough. Emissions are controlled by Baghouse #037 and Scrubber #046 which exhaust to one stack identified as Stack/Vent S-111. Stack/Vent S-111 is equipped with a Continuous Emissions Monitor (CEM) for sulfur dioxide (SO_2) emissions. The maximum charge capacity for the Slag Reduction Furnace is 132 tons per day. This emission unit was installed in 1995.

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

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

D.1.1 General Provisions Relating to HAPs [40 CFR 63, Subpart A][326 IAC 20-1-1]

The provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1 (Hazardous Air Pollutants), apply to the facilities described in this Section except when otherwise specified in 40 CFR Part 63, Subpart X (National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting).

D.1.2 Lead Emissions Limitation [326 IAC 20-13][326 IAC 20-13-2][40 CFR 63.543(a)]

(a) Pursuant to 40 CFR 63.543(a) (National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting), the process emissions of lead compounds from the Reverberatory Furnace (Emission Unit ID 3.1) and the Electric Arc Slag Reduction Furnace (SRF) (Emission Unit ID 3.3), which exhaust to Stack/Vent S-111, shall not exceed two (2.0) milligrams of lead per dry standard cubic meter of exhaust (0.00087 grains per dry standard cubic foot of exhaust).

(b) Pursuant to 326 IAC 20-13-2 (Hazardous Air Pollutants: Secondary Lead Smelters Emission Limitations; Lead Standards for Quemetco, Incorporated), Lead emissions from Stack/Vent S-111 shall not exceed one (1.0) milligram per dry standard cubic meter (0.00044 grains per dry standard cubic feet of exhaust air).

D.1.3 PSD Minor Lead Limit [326 IAC 2-2][Construction Permit 960079-04]

Pursuant to Construction Permit 960079-04, Lead emissions from the Slag Reduction Furnace (SRF) shall be limited to seven ten thousandths (0.0007) grains per dry standard cubic foot of exhaust and one hundred thirty six thousandths (0.136) pounds per hour. This emissions limitation is equivalent to less than six tenths (0.6) tons of Lead per twelve (12) consecutive month period

with compliance determined at the end of each month. Compliance with these emissions limitations makes 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) not applicable.

D.1.4 Particulate (PM) Limit [326 IAC 6.5-6-28]

Pursuant to 326 IAC 6.5-6-28, Particulate emissions from the Reverberatory Furnace shall not exceed sixteen thousandths (0.016) grains per dry standard cubic foot of exhaust and five and eight tenths (5.8) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

D.1.5 PSD Minor PM-10 Limit [326 IAC 2-2] [Construction Permit 960079-04]

Pursuant to Construction Permit 960079-04, filterable and condensible PM-10 emissions from the Slag Reduction Furnace (SRF) shall be limited to one hundred seventy two ten thousandths (0.0172) grains per dry standard cubic foot of exhaust and three and four tenths (3.4) pounds per hour. This emissions limitation is equivalent to less than fifteen (15) tons of PM-10 per twelve consecutive month period with compliance determined at the end of each month. Therefore, these conditions limit the potential to emit filterable and condensible PM-10 to less than the applicable emission limit pursuant to Construction Permit 960079-04. Compliance with this emission limitation makes 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) not applicable.

D.1.6 Sulfur Dioxide (SO_2) Emissions Limit [326 IAC 7-4-2][Construction Permit Amendment A0970079]

(a) Pursuant to 325 IAC 7-4-2, SO_2 emissions from the Reverberatory Furnace shall not exceed 24.6 pounds per ton material charged.

(b) Pursuant to Construction Permit Amendment A0970079, SO_2 emissions from Stack/Vent S-111 exhaust are limited to fifty (50.0) pounds per hour and two hundred nineteen (219.0) tons per twelve (12) consecutive month period with compliance determined at the end of each month. Therefore, these conditions limit the potential to emit SO_2 to less than the applicable limits pursuant to Construction Permit Amendment A0970079. Compliance with this emissions limitation satisfies the requirement of 326 IAC 7-4-2 (Marion County Sulfur Dioxide Emission Limitations).

D.1.7 Emission Offset Minor Sulfur Dioxide (SO_2) Limit [326 IAC 2-3][Construction Permit 960079-04]

Pursuant to Construction Permit 960079-04, SO_2 emissions from the Slag Reduction Furnace (SRF) shall not exceed five and seven tenths (5.7) pounds per hour. This emissions limitation is equivalent to less than twenty five (25) tons of SO_2 per twelve (12) consecutive month period with compliance determined at the end of each month. Therefore, these conditions limit the potential to emit SO_2 to less than the applicable limits pursuant to Construction Permit Amendment A0970079. Compliance with this emissions limitation makes 326 IAC 2-3 (Emission Offset) not applicable.

D.1.8 Opacity Limitation [326 IAC 20-13-7][Construction Permit 960079-04]

Pursuant to 326 IAC 20-13-7:

(a) Stack/Vent S-111 exhaust shall not exceed five percent (5.0%) opacity as determined by 40 CFR Part 60 Appendix A Method 9 or an acceptable alternative method as defined in Method 9. Compliance with this opacity limitation demonstrates compliance with the Construction Permit 960079-04 opacity limitation of ten percent (10%) as determined by 40 CFR Part 60 Appendix A Method 9 or an acceptable alternative method as defined in Method 9.

(b) Exterior dust handling systems of dry collectors of Lead emitting processes (augers, hoppers, transfer points) shall not discharge to the atmosphere visible emissions in excess of five percent (5.0%) of an observation period consisting of three (3) twenty (20) minute periods, as determined by 40 CFR 60, Appendix A, Reference Method 22. The provisions under this subdivision for dust handling systems shall not apply during

maintenance and repair of the dust handling systems. During maintenance and repair of the dust handling systems, the Permittee shall take reasonable measures to prevent or minimize fugitive dust emissions.

(c) The opacity limitations shall only apply to particulate matter emissions.

D.1.9 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the Reverberatory Furnace, Slag Reduction Furnace and any control devices.

Compliance Determination Requirements

D.1.10 Particulate Control

In order to comply with Condition D.1.2, D.1.3, D.1.4 and D.1.5, the Baghouses identified as #035 and #037 for particulate control shall be in operation and control emissions from the Reverberatory Furnace, identified as Emission Unit 3.1, and the Electric Arc Slag Reduction Furnace (SRF), identified as Emission Unit 3.3 at all times that Emission Unit 3.1 and 3.3 are in operation.

D.1.11 Sulfur Dioxide (SO_2) Control

In order to comply with Condition D.1.6 and D.1.7, the Scrubber identified as #046 for Sulfur Dioxide (SO_2) emissions control shall be in operation and control emissions from the Reverberatory Furnace, identified as Emission Unit 3.1, and the Electric Arc Slag Reduction Furnace (SRF), identified as Emission Unit 3.3, at all times that Emission Unit 3.1 and 3.3 are in operation.

D.1.12 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11] [326 IAC 20-13] [40 CFR 63.543]

(a) Pursuant to 326 IAC 20-13-6, the Permittee shall conduct a compliance test for Lead compounds from Stack Vent S-111 on an annual basis, no later than twelve (12) calendar months following the previous compliance test. If a compliance test demonstrates a source emitted Lead compounds from Stack/Vent S-111 less than or equal to fifty percent (50.0%) of the applicable limit under this rule during the compliance test, the Permittee shall be allowed up to twenty four (24) calendar months from the previous compliance test to conduct the next compliance test for Lead compounds. Pursuant to 326 IAC 20-13-6, retesting for Lead compounds from Stack/Vent S-111 shall be conducted no later than April 10, 2004. The test shall be conducted utilizing Methods specified in 40 CFR Part 63.547(a). In addition to these requirements, IDEM, OAQ and/or OES may require compliance testing at any time when it is deemed necessary to determine compliance with Condition D.1.2.

(b) No later than one hundred and eighty days after issuance of this Part 70 Permit, in order to demonstrate compliance with Condition D.1.5, the Permittee shall perform PM-10 testing for the Electric Arc Slag Reduction Furnace (SRF), identified as Emission Unit 3.3, utilizing methods approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM-10 includes filterable and condensible PM-10. Testing shall be conducted in accordance with Section C - Performance Testing.

D.1.13 Monitoring Requirements [326 IAC 20-13][40 CFR 63.548]

(a) Pursuant to 40 CFR 63.548(a) and (b) and 326 IAC 20-13-5, the Permittee shall operate at all times in accordance with the Standard Operating Procedures Manual approved by IDEM, OAQ and/or OES dated May 24, 2001 that describes in detail procedures for inspection, maintenance and bag leak detection and corrective action plans for baghouses #035 and #037. The Standard Operating Procedures Manual shall, at a minimum, include the following requirements of 40 CFR 63.548(c)(d)(e) and (f):

(1) Daily monitoring of pressure drop across each baghouse cell.
(2) Weekly confirmation that dust is being removed from hoppers through visual inspection or equivalent means of ensuring proper functioning of removal mechanism.
(3) For Baghouse #037, a daily check of compressed air supply.
(4) An appropriate methodology for monitoring cleaning cycles to ensure proper operation.
(5) Monthly check of bag cleaning mechanisms for proper functioning through visual inspection or equivalent means.
(6) For Baghouse, #035, a monthly check of bag tension. Such checks are not required for shaker type baghouses using self tensioning (spring load) devices.
(7) Quarterly confirmation of the physical integrity of the baghouse through visual inspection of the baghouse interior for air leaks.
(8) Quarterly inspection of fan for wear, material buildup, and corrosion.
(9) Continuous operation of a bag leak detection system for baghouse #035 and #037 that meets the following specifications and requirements:

(A) The baghouse leak detection system must be certified by the manufacturer to be capable of detecting particulate matter emissions concentrations of ten (10) milligrams per actual cubic meter (0.0044 grains per actual cubic foot) or less.
(B) The baghouse leak detection system sensor must provide output of relative particulate matter loadings.
(C) The baghouse leak detection system must be equipped with an alarm system that will alarm when an increase in relative particulate loading is detected over a preset level.
(D) The bag leak detection system shall be installed and operated in a manner consistent with available written guidance from the U.S. E.P.A. or in the absence of such written guidance, the manufacturer's written specifications and recommendations for installation, operation, and adjustment of the system.
(E) The initial adjustments of the system shall, at a minimum, consist of establishing a baseline output by adjusting the sensitivity (range) and the averaging period of the device, and establishing the alarm set points and the alarm delay time.
(F) Following the initial adjustment, the Permittee shall not adjust the sensitivity or range, averaging period, alarm set points, and alarm delay time only as detailed in the SOP.
(G) Whenever the alarm on a bag leak detector is set off, Quemetco, Inc. personnel will implement the procedures outlined in its current SOP Manual.

(10) The procedures specified in the Standard Operating Procedures manual for maintenance shall, at a minimum, include a preventative maintenance schedule that is consistent with the baghouse manufacturer's instructions for routine and long-term maintenance.
(11) The Standard Operating Procedures Manual shall include a corrective action plan that specifies the procedures to be followed in the case of a bag leak detection system alarm. The corrective action plan shall include, at a minimum, the procedures used to determine and record the time and cause of the alarm as well as the corrective actions taken to correct the control device malfunction or minimize emissions as specified below:

(A) The procedures used to determine the cause of the alarm must be initiated within thirty (30) minutes of the alarm.
(B) The cause of the alarm must be alleviated by taking the necessary corrective action(s) which may include but not be limited to:

(i) Inspecting the baghouse for air leaks, torn or broken filter elements, or any other malfunction that may cause an increase in emissions.
(ii) Sealing off defective bags or filter media, or otherwise.
(iii) Replacing defective bags or filter media, or otherwise repairing the control device.
(iv) Sealing off a defective baghouse compartment.
(v) Cleaning the bag leak detection system probe, or otherwise repairing the bag leak detection system.
(vi) Shutting down the process producing the particulate emissions.

(b) Pursuant to 326 IAC 20-13-8, the Permittee shall meet the following requirements for a continuous baghouse leak detection system:

(1) The bag leak detection system must be certified by the manufacturer to be capable of detecting particulate matter emissions at concentrations of ten (10) milligrams per actual cubic meter (forty-four ten thousandths (0.0044) grains per actual cubic foot) or less.

(2) The bag leak detection system sensor must provide output of relative particulate matter loadings, and the Permittee must continuously record the output from the bag leak detection system.

(3) The bag leak detection system must be equipped with an alarm system that will alert appropriate plant personnel when an increase in relative particulate loadings is detected over a preset level. The alarm must be located where it can be heard by the appropriate plant personnel.

(4) Each bag leak detection system that works based on the triboelectric effect must be installed, calibrated, operated, and maintained consistent with the U.S. Environmental Protection Agency guidance document “Fabric Filter Bag Leak Detection Guidance” (EPA-454/R-98-015, September 1997). Other bag leak detection systems must be installed, calibrated, and maintained consistent with the manufacturer’s written specifications and recommendations.

(5) The initial adjustment of the system must, at a minimum, consist of establishing:

(A) the baseline output by adjusting the sensitivity (range);
(B) the averaging period of the device;
(C) the alarm set points; and
(D) the alarm delay time.

(6) Following initial adjustment, the Permittee must not adjust the:

(A) sensitivity or range;
(B) averaging period;
(C) alarm set points; or
(D) alarm delay time;

except as detailed in the maintenance plan required under 40 CFR 63.548(a). In no event must the sensitivity be increased by more than one hundred percent (100%) or decreased by more than fifty percent (50%) over a three hundred and sixty five (365) day period unless a responsible official certifies the baghouse has been inspected and found to be in good operating condition.

(7) Where multiple detectors are required, the system’s instrumentation and alarm may be share among detectors.

(8) For Baghouse #035 and #037, the bag leak detector must be installed downstream of the baghouse and upstream of the wet acid gas scrubber, Scrubber #046.

D.1.14 Continuous Emissions Monitoring [Construction Permit 960079-04] [326 IAC 3-5]

Pursuant to Construction Permit 960079-04, the Permittee shall have a certified Continuous Emissions Monitoring system (CEM) for SO_2 emissions on Stack/Vent S-111 installed, calibrated, operated and maintained in compliance with 326 IAC 3-5-2, 326 IAC 3-5-3, 326 IAC 3-5-4 and 326 IAC 3-5-5.

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

D.1.15 Visible Emissions Notations

(a) Whenever the baghouse leak detection system is malfunctioning or down for repairs or adjustments for a period of four (4) hours or more, visible emission notations of Stack/Vent S-111 stack exhaust shall be performed once per shift during normal daylight operations when exhausting to the atmosphere until the baghouse leak detection system is repaired or replaced. 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 - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

D.1.16 Parametric Monitoring

Whenever the baghouse leak detection system is malfunctioning or down for repairs or adjustments for a period of four (4) hours or more, the Permittee shall record the total static pressure drop across Baghouse #035 and #037 at least once per shift when in operation when venting to the atmosphere until the baghouse leak detection system is repaired or replaced. When for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records and Reports. 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 - Preparation, Implementation, Records and Reports shall be considered a deviation from 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 OES shall be calibrated at least once every six (6) months.

D.1.17 Scrubber Operation

(a) An inspection of the scrubber shall be performed at least once every two years, in accordance with the Preventive Maintenance Plan prepared in accordance with Section B

- Preventive Maintenance Plan. Defective parts shall be replaced. A record shall be kept of the results of the inspection and the part(s) replaced.

(b) Inspections shall be made whenever there is an outage of any nature lasting more than three (3) days unless such measurements have been taken within the past twelve (12) months.

(c) Reasonable response steps shall be taken in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports for any improper or abnormal conditions found during an inspection. Discovery of an abnormal or improper condition is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

D.1.18 SO_2 Monitor Downtime [326 IAC 2-7-6][326 IAC 2-7-5(1)]

Whenever the SO_2 Continuous Emission Monitor (CEM) is malfunctioning or will be down for repairs or adjustments for a period of four (4) hours or more, one of the following methods shall be used to provide information related to SO_2 emissions:

(a) A calibrated backup CEM for Stack/Vent S-111 shall be brought online within four (4) hours of shutdown of the primary CEM, or

(b) The Permittee shall monitor and record the water flow rate and the pH of Scrubber #046 water at least once every hour when exhausting to Stack/Vent S-111. The Scrubber #046 water flow rate shall be maintained at a flow rate of greater than 90 gallons per minute and shall maintain a pH of 6 to 9. The Permittee shall monitor and record the water flow rate and the pH at least once every hour until the CEM for Stack/Vent S-111 is returned to operation.

These monitoring conditions are necessary because the facilities and associated control devices must function properly to ensure compliance with SO_2 limits under 326 IAC 7-4-2 (Sulfur Dioxide Emission Limitations: Marion County), 326 IAC 2-3 (Emissions Offset) and Construction Permit Amendment A0970079.

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

D.1.19 Record Keeping Requirements

(a) Pursuant to 40 CFR Part 63.550 and 326 IAC 20-13, the Permittee shall maintain records for bag leak detection systems on site for a period of three (3) years and be available for an additional two (2) years and shall include the following information:

(1) Records of bag leak detection system output.
(2) Identification of the date and time of all bag leak detection system alarms.
(3) The time that procedures to determine the cause of the alarm were initiated.
(4) The cause of the alarm.
(5) An explanation of the actions taken.
(6) The date and time the alarm was corrected.
(7) Records of total operating time of an affected source during smelting operations for each six (6) month period.
(8) Any record keeping required as part of the practices described in the Standard Operating Procedures Manual for baghouses required under 40 CFR 63.548(a).

(b) The Permittee shall keep records on the continuous SO_2 emissions monitoring systems in accordance with 326 IAC 3-5-6.

(c) To document compliance with Condition D.1.15, the Permittee shall maintain records of visible emissions notations of the stack exhaust from Stack/Vent S-111 once per shift.

(d) To document compliance with Condition D.1.16, the Permittee shall maintain records of once per shift total static pressure drop checks during normal operation when venting to the atmosphere.

(e) To document compliance with Condition D.1.18, the Permittee shall maintain records of the once per hour pH checks of Scrubber #046.

(f) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.20 Reporting Requirements

(a) Pursuant to 40 CFR 63.550, the Permittee shall comply with all of the reporting requirements under 40 CFR 63.10 of the General Provisions. The submittal of reports shall be no less frequent than specified under 40 CFR 63.10(e)(3) of the General Provisions. Once a source reports a violation of the standard or excess emissions, the source shall follow the reporting format required under 40 CFR 63.10(e)(3) until a request to reduce reporting frequency is approved. The reports shall include the information specified in (1) through (4) of this Condition.

(1) The report shall include records of all alarms from the bag leak detection system specified in 40 CFR 63.548(e).

(2) The report shall include a description of the procedures taken following each bag leak detection system alarm pursuant to 40 CFR 63.548(f)(1) and (2).

(3) The reports shall contain a summary of the records maintained as part of the practices described in the standard operating procedures manual for Baghouse #035 and #037 as required under 40 CFR 63.548(a) including an explanation of the periods when the procedures were not followed and the corrective actions taken.

(4) The reports shall contain a summary of the records maintained as part of the practices described in the Standard Operating Procedures Manual for Baghouse #035 and #037 as required under 40 CFR 63.548(a) including an explanation of the periods when the procedures outlined in the Standard Operating Procedures Manual were not followed and the corrective actions taken.

(b) Pursuant to 326 IAC 20-13-8, the Permittee shall submit a report within thirty (30) days after the end of each preceding six (6) month period ending June 30 and December 31 of each year that includes the following:

(1) A description of the actions taken following each bag leak detection system alarm.

(2) Calculations of the percentage of time the alarm on the bag leak detection system was activated during the reporting period.

(c) Pursuant to 326 IAC 3-5-7, the Permittee shall submit a quarterly excess emissions report for SO_2 emissions. This report shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the calendar quarter being reported.

SECTION D.2 FACILITY OPERATION CONDITIONS

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

(c) Process Fugitive Emissions from one (1) Reverberatory Furnace, identified as Emission Unit 3.1, used in the smelting of lead from lead acid batteries and scrap lead. Emissions from lead charging are controlled by Baghouses #038 and #041, respectively, and exhaust to one stack identified as Stack/Vent S-100. General furnace emissions are controlled by Baghouse #041 and exhaust to one stack identified as Stack/Vent S-100. Emissions from lead tapping are controlled by Baghouse #039 or Baghouse #040 which exhaust to one stack identified as Stack/Vent S-100. Stack/Vent S-100 is equipped with a Continuous Emissions Monitor (CEM) for sulfur dioxide (SO_2) emissions. The maximum charge capacity for the Reverberatory Furnace is 828 tons per day. This emission unit was installed in 1972.

(d) Eight (8) refining kettles, identified as Emission Unit Kettle #1 through Kettle #8, which are used to refine the lead alloy. The refining kettles receive molten lead, solid lead or scrap lead. Reagents and alloying metals are added to the Kettle(s) and mixed into molten lead. A natural gas fired burner system indirectly heats the lead. The combined heat input capacity for the natural gas fired burners is 32 million Btu per hour. Impurities are removed as dross from the surface of the molten lead. Process emissions are controlled by Baghouse #039 or Baghouse #040 which exhaust to one stack identified as Stack/Vent S-100. Stack/Vent S-100 is equipped with a Continuous Emissions Monitor (CEM) for sulfur dioxide (SO_2) emissions. Combustion emissions from the natural gas burners are vented to separate stacks. Combustion emissions from Kettle #1 are vented to Stack/Vent S-117. Combustion emissions from Kettle #2 are vented to Stack/Vent S-114. Kettle #3 and Kettle #4 are vented to Stack/Vent S-116. Combustion emissions from Kettle #5 and Kettle #6 are vented to Stack/Vent S-115. Combustion emissions from Kettle #7 are vented to Stack/Vent S-113. Combustion emissions from Kettle #8 are vented to Stack/Vent S-112. Kettles #1 through #6 were installed in 1972. Kettles #7 and #8 were installed in 1988 and 1992 respectively. The refining operation is not a time based operation therefore there is no maximum throughput capacity identified. However, an average based on 24 hours of operation and full kettles is 46.3 tons per hour.

(e) Refining Kettle #9, identified as Emission Unit Kettle #9. Kettle #9 has a capacity of 2.14 tons of lead per hour (180 ton capacity with two batches per week) and is heated by a 4.25 million Btu natural gas burner. The kettle is used to refine lead. Emissions from Kettle #9 are controlled by Baghouse #041, which exhaust to one stack identified as Stack/Vent S-100. Stack/Vent S-100 is equipped with a Continuous Emissions Monitor (CEM) for sulfur dioxide (SO_2) emissions. Burner emissions are vented through a combustion flue, Stack/Vent S-118, with no controls. Kettle # 9 was installed in 2002.

(f) One (1) Casting Machine, identified as Emission Unit 7 which receives refined and alloyed lead metal pumped from the refining kettles and casts the molten lead into lead ingots. The casting machine is equipped with a 0.3 million Btu per hour natural gas burner. Emissions from the casting machine are controlled by Baghouse #040 or Baghouse #039 which exhausts to one stack identified as Stack/Vent S-100. Stack/Vent S-100 is equipped with a Continuous Emissions Monitor (CEM) for sulfur dioxide (SO_2) emissions. The maximum process capacity is limited by the refining kettles. This emission unit was installed prior to 1978.

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

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

(g) One (1) Electric Arc Furnace (EAF), identified as Emission Unit 3.2, used to recover lead from Reverberatory Furnace slag. The EAF is charged with lead containing materials, and flux, reagents and additives in a continuous process. The charge is heated and melted by passing an electric current through the charge. Molten lead is tapped into molds for subsequent placement/refining in the refining kettles. Slag is tapped and sent to storage to await proper disposal or reprocessing if the lead content is high enough. Process flue gas emissions within the furnace are controlled by Baghouse #036 which exhausts to one stack identified as Stack/Vent S-100. Emissions from lead tapping and slag tapping are controlled by Baghouse #036 which exhausts to one stack identified as Stack/Vent S-100. Process emissions not captured by furnace hoods are controlled by Baghouse #041 which exhausts to one stack identified as Stack/Vent S-100. Stack/Vent S-100 is equipped with a Continuous Emissions Monitor (CEM) for sulfur dioxide SO2) emissions. The maximum charge capacity is 6.5 tons per hour. This emission unit was installed in 1984.

(h) One (1) Rotary Dryer, identified as Emission Unit 8, used to dry Reverberatory Furnace feed material. Raw material is dumped into a feed hopper which feeds the Rotary Dryer with lead bearing material and furnace additives from lead acid batteries and factory scrap in a continuous process. The Rotary Dryer is heated by an oxygen enriched 14 million Btu per hour natural gas fired burner system. The emissions generated from charging raw material to the feed hopper are controlled by Baghouse #041, which exhausts to one stack identified as Stack/Vent S-100. Process emissions are controlled by Baghouse #041, which exhausts to one stack identified as Stack/Vent S-100. The process fugitive emissions are controlled by Baghouse #038 and by Baghouse #041, which exhaust to one stack identified as Stack/Vent S-100. Stack/Vent S-100 is equipped with a Continuous Emissions Monitor (CEM) for sulfur dioxide (SO_2) emissions. The maximum process capacity for the Rotary Dryer is limited by the reverberatory furnace. This emission unit was installed prior to 1978.

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

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

D.2.1 General Provisions Relating to HAPs [326 IAC 20-1-1][40 CFR 63, Subpart A]

The provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facilities described in this Section except when otherwise specified in 40 CFR Part 63, Subpart X (National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting).

D.2.2 General Provisions Relating to NSPS [326 IAC 12-1][40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to Kettle #7, Kettle #8 and Kettle #9 described in this Section except when otherwise specified in 40 CFR Part 60, Subpart L Standards of Performance for Secondary Lead Smelters).

D.2.3 Process Fugitive Emissions [326 IAC 20-13][40 CFR 63.544]

(a) Pursuant to 40 CFR 63.544, the Permittee shall control process fugitive emission sources as follows:

(1) Process fugitive emission sources shall be equipped with an enclosure hood meeting the requirements of 40 CFR 63.544(b)(1), (b)(2) and (b)(3) 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.

(2) Ventilation air from all enclosure hoods and total enclosures shall be conveyed to a control device. Gases discharged to the air from these control devices shall not contain Lead compounds in excess of two (2.0) milligrams of Lead per dry standard cubic meter of exhaust (0.00087 grains per dry standard cubic foot of exhaust).

(3) 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 two (2.0) milligrams of Lead per dry standard cubic meter (0.00087 grains per dry standard cubic foot of exhaust).

(b) Pursuant to 326 IAC 20-13-7(f), ventilation air from the following shall be conveyed or ventilated to a control device:

(1) All enclosure hoods and total enclosures.

(2) All dryer emission vents.

D.2.4 Lead Emissions Limitation [326 IAC 20-13][326 IAC 20-13-2][40 CFR 63.543(a)]

(a) Pursuant to 40 CFR 63.543(a) (National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting), the process emissions of lead compounds from the Electric Arc Furnace, identified as Emission Unit ID 3.2, and the Rotary Dryer, identified as Emission Unit ID 8, which exhaust to Stack/Vent S-100, shall not exceed two (2.0) milligrams of lead per dry standard cubic meter of exhaust (0.00087 grains per dry standard cubic foot of exhaust).

(b) Pursuant to 326 IAC 20-13-2 (Hazardous Air Pollutants: Secondary Lead Smelters Emission Limitations; Lead Standards for Quemetco, Incorporated), Lead emissions from Stack/Vent S-100 shall not exceed one (1.0) milligram per dry standard cubic meter (0.00044 grains per dry standard cubic feet of exhaust air).

D.2.5 PSD Minor Lead Limit [326 IAC 2-2][Installation Permit 11005]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) not applicable, Lead emissions from the Electric Arc Furnace (EAF) shall be limited to five ten thousandths (0.0005) grains per dry standard cubic foot of exhaust and one hundred thirty four thousandths (0.134) pounds per hour. This emissions limitation is equivalent to less than six tenths (0.6) tons of Lead per twelve (12) consecutive month period with compliance determined at the end of each month. Compliance with these emissions limitations makes 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) not applicable.

D.2.6 Particulate (PM) Limit [326 IAC 6.5-1-2(a)]

(a) Pursuant to 326 IAC 6.5-1-2(a), Particulate emissions from Stack/Vent S-100 shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

(b) Pursuant to 326 IAC 6.5-1-2(a), Particulate emissions from Stack/Vent S-112, S-113, S-114, S-115, S-116, S-117 and S-118 each shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

D.2.7 PSD Minor PM-10 Limit [326 IAC 2-2][Installation Permit 11005]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) (Requirements) not applicable, filterable and condensible PM-10 emissions from the Electric Arc Furnace (EAF) shall be limited to twenty three thousandths (0.023) grains per dry standard cubic foot of exhaust and three and four tenths (3.4) pounds per hour. This emissions limitation is equivalent to less than fifteen (15) tons of PM-10 per twelve consecutive month period with compliance determined at the end of each month. Compliance with this emission limitation makes 326 IAC 2-2

(Prevention of Significant Deterioration (PSD) Requirements) not applicable.

D.2.8 Sulfur Dioxide (SO_2) Emissions Limit [Construction Permit Amendment A0970079]

Pursuant to Construction Permit Amendment A0970079, SO_2 emissions from Stack/Vent S-100 are limited to three hundred sixty six (366.0) pounds per hour.

D.2.9 PSD Minor Sulfur Dioxide (SO_2) Limit [326 IAC 2-2][Installation Permit 11005]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) not applicable, SO_2 emissions from the Electric Arc Furnace (EAF) shall not exceed nine and one tenths (9.1) pounds per hour. This emissions limitation is equivalent to less than forty (40) tons of SO_2 per twelve (12) consecutive month period with compliance determined at the end of each month. Compliance with this emissions limitation makes 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) not applicable.

D.2.10 Opacity Limitation [326 IAC 20-13-7][Construction Permit 960079-03][40 CFR 60.120]

Pursuant to 326 IAC 20-13-7;

(a) Stack/Vent S-100 exhaust shall not exceed five percent (5.0%) opacity as determined by 40 CFR Part 60 Appendix A Method 9 or an acceptable alternative method as defined in Method 9. Compliance with this opacity limitation demonstrates compliance with the Construction Permit 960079-03 opacity limitation of ten percent (10%) as determined by 40 CFR Part 60 Appendix A Method 9 or an acceptable alternative method as defined in Method 9. Compliance with this opacity limitation demonstrates compliance with the 40 CFR 60.120 opacity limitation of ten percent (10%) for Kettle #7, Kettle #8 and Kettle #9 as determined by 40 CFR Part 60 Appendix A Method 9 or an acceptable alternative method as defined in Method 9.

(b) Exterior dust handling systems of dry collectors of Lead emitting processes (augers, hoppers, transfer points) shall not discharge to the atmosphere visible emissions in excess of five percent (5.0%) of an observation period consisting of three (3) twenty (20) minute periods, as determined by 40 CFR 60, Appendix A, Reference Method 22. The provisions under this subdivision for dust handling systems shall not apply during maintenance and repair of the dust handling systems. During maintenance and repair of the dust handling systems, the Permittee shall take reasonable measures to prevent or minimize fugitive dust emissions.

(c) The opacity limitations shall only apply to particulate matter emissions.

D.2.11 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for Emission Unit 3.1, 3.2, 7, 8 and Kettles #1 through #9 exhausting at Stack/Vent S-100 and any control devices.

Compliance Determination Requirements

D.2.12 Particulate Control

In order to comply with Condition D.2.3 through D.2.7, the Baghouses identified as #036, #038, #039, #040 and #041 for particulate control shall be in operation and control emissions from Emission Unit 3.1, 3.2, 7, 8 and Kettles #1 through #9 at all times that Emission Unit 3.1, 3.2, 7, 8 and Kettles #1 through #9 are in operation.

D.2.13 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11][326 IAC 20-13][40 CFR 63.543] [40 CFR 63.544]

(a) Pursuant to 326 IAC 20-13-6, the Permittee shall conduct a compliance test for Lead compounds from Stack Vent S-100 on an annual basis, no later than twelve (12) calendar months following the previous compliance test. If a compliance test demonstrates a source emitted Lead compounds from Stack/Vent S-100 less than or equal to fifty percent

(50.0%) of the applicable limit under this rule during the compliance test, the Permittee shall be allowed up to twenty four (24) calendar months from the previous compliance test to conduct the next compliance test for Lead compounds. Pursuant to 326 IAC 20-13-6, retesting for Lead compounds from Stack/Vent S-100 shall be conducted no later than March 27, 2004. The test shall be conducted utilizing Methods specified in 40 CFR Part 63.547(a). In addition to these requirements, IDEM, OAQ and/or OES may require compliance testing at any time when it is deemed necessary to determine compliance with condition D.2.4.

(b) Within one hundred and eighty days of restarting the EAF and, in order to demonstrate compliance with Condition D.2.7, the Permittee shall perform PM-10 testing for the Electric Arc Furnace (EAF), identified as Emission Unit 3.2, utilizing methods approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM-10 includes filterable and condensible PM-10. Testing shall be conducted in accordance with Section C - Performance Testing.

D.2.14 Monitoring Requirements [326 IAC 20-13][40 CFR 63.548]

(a) Pursuant to 40 CFR 63.548(a) and (b) and 326 IAC 20-13-5, the Permittee shall operate at all times in accordance with the Standard Operating Procedures Manual approved by IDEM, OAQ and/or OES dated May 24, 2001 that describes in detail procedures for inspection, maintenance and bag leak detection and corrective action plans for baghouses #036, #038, #039, #040 and #041. The Standard Operating Procedures Manual shall, at a minimum, include the following requirements of 40 CFR 63.548(c)(d)(e) and (f):

(1) Daily monitoring of pressure drop across each baghouse cell.
(2) Weekly confirmation that dust is being removed from hoppers through visual inspection or equivalent means of ensuring proper functioning of removal mechanism.
(3) For Baghouse #036 and Baghouse #041, a daily check of compressed air supply.
(4) An appropriate methodology for monitoring cleaning cycles to ensure proper operation.
(5) Monthly check of bag cleaning mechanisms for proper functioning through visual inspection or equivalent means.
(6) For Baghouse, #038. Baghouse #039 and Baghouse #040, a monthly check of bag tension. Such checks are not required for shaker type baghouses using self tensioning (spring load) devices.
(7) Quarterly confirmation of the physical integrity of the baghouse through visual inspection of the baghouse interior for air leaks.
(8) Quarterly inspection of fan for wear, material buildup, and corrosion.
(9) Continuous operation of a bag leak detection system for Baghouse #036, #038, #039, #040 and #041 that meets the following specifications and requirements:

(A) The baghouse leak detection system must be certified by the manufacturer to be capable of detecting particulate matter emissions concentrations of ten (10) milligrams per actual cubic meter (0.0044 grains per actual cubic foot) or less.
(B) The baghouse leak detection system sensor must provide output of relative particulate matter loadings.
(C) The baghouse leak detection system must be equipped with an alarm system that will alarm when an increase in relative particulate loading is detected over a preset level.
(D) The bag leak detection system shall be installed and operated in a manner consistent with available written guidance from the U.S. E.P.A. or in the absence of such written guidance, the manufacturer's written specifications and recommendations for installation, operation, and adjustment of the system.

(E) The initial adjustments of the system shall, at a minimum, consist of establishing a baseline output by adjusting the sensitivity (range) and the averaging period of the device, and establishing the alarm set points and the alarm delay time.

(F) Following the initial adjustment, the Permittee shall not adjust the sensitivity or range, averaging period, alarm set points, and alarm delay time only as detailed in the SOP.

(G) Whenever the alarm on a bag leak detector is set off, Quemetco, Inc. personnel will implement the procedures outlined in its current SOP Manual.

(10) The procedures specified in the Standard Operating Procedures manual for maintenance shall, at a minimum, include a preventative maintenance schedule that is consistent with the baghouse manufacturer's instructions for routine and long-term maintenance.

(11) The Standard Operating Procedures Manual shall include a corrective action plan that specifies the procedures to be followed in the case of a bag leak detection system alarm. The corrective action plan shall include, at a minimum, the procedures used to determine and record the time and cause of the alarm as well as the corrective actions taken to correct the control device malfunction or minimize emissions as specified below:

(A) The procedures used to determine the cause of the alarm must be I nitiated within thirty (30) minutes of the alarm.

(B) The cause of the alarm must be alleviated by taking the necessary corrective action(s) which may include but not be limited to:

(i) Inspecting the baghouse for air leaks, torn or broken filter elements, or any other malfunction that may cause an increase in emissions.

(ii) Sealing off defective bags or filter media, or otherwise.

(iii) Replacing defective bags or filter media, or otherwise repairing the control device.

(iv) Sealing off a defective baghouse compartment.

(v) Cleaning the bag leak detection system probe, or otherwise repairing the bag leak detection system.

(vi) Shutting down the process producing the particulate emissions.

(b) Pursuant to 326 IAC 20-13-8, the Permittee shall meet the following requirements for a continuous baghouse leak detection system:

(1) The bag leak detection system must be certified by the manufacturer to be capable of detecting particulate matter emissions at concentrations of ten (10) milligrams per actual cubic meter (forty-four ten thousandths (0.0044) grains per actual cubic foot) or less.

(2) The bag leak detection system sensor must provide output of relative particulate matter loadings, and the Permittee must continuously record the output from the bag leak detection system.

(3) The bag leak detection system must be equipped with an alarm system that will alert appropriate plant personnel when an increase in relative particulate loadings is detected over a preset level. The alarm must be located where it can be heard by the appropriate plant personnel.

(4) Each bag leak detection system that works based on the triboelectric effect must be installed, calibrated, operated, and maintained consistent with the U.S. Environmental Protection Agency guidance document "Fabric Filter Bag Leak Detection Guidance" (EPA-454/R-98-015, September 1997). Other bag leak

detection systems must be installed, calibrated, and maintained consistent with the manufacturer's written specifications and recommendations.

(5) The initial adjustment of the system must, at a minimum, consist of establishing:

(A) the baseline output by adjusting the sensitivity (range);
(B) the averaging period of the device;
(C) the alarm set points; and
(D) the alarm delay time.

(6) Following initial adjustment, the Permittee must not adjust the:

(A) sensitivity or range;
(B) averaging period;
(C) alarm set points; or
(D) alarm delay time;

except as detailed in the maintenance plan required under 40 CFR 63.548(a). In no event must the sensitivity be increased by more than one hundred percent (100%) or decreased by more than fifty percent (50%) over a three hundred and sixty five (365) day period unless a responsible official certifies the baghouse has been inspected and found to be in good operating condition.

(7) Where multiple detectors are required, the system's instrumentation and alarm may be share among detectors.

(8) For Baghouse #036, #038, #039, #040 and #041, the bag leak detector must be installed downstream of the baghouse and upstream of the wet acid gas scrubber, Scrubber #046.

D.2.15 Continuous Emissions Monitoring [Construction Permit 960079-03][326 IAC 3-5]

Pursuant to Construction Permit 960079-03, the Permittee shall have a certified Continuous Emissions Monitoring system (CEM) for SO_2 emissions on Stack/Vent S-100 installed, calibrated, operated and maintained in compliance with 326 IAC 3-5-2, 326 IAC 3-5-3, 326 IAC 3-5-4 and 326 IAC 3-5-5.

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

D.2.16 Visible Emissions Notations

(a) Whenever the baghouse leak detection system is malfunctioning or down for repairs or adjustments for a period of four (4) hours or more, visible emission notations of Stack/Vent S-100 stack exhaust shall be performed once per shift during normal daylight operations when exhausting to the atmosphere until the baghouse leak detection system is repaired or replaced. 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 these units 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 - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

D.2.17 Parametric Monitoring

Whenever the baghouse leak detection system is malfunctioning or down for repairs or adjustments for a period of four (4) hours or more, the Permittee shall record the total static pressure drop across Baghouse #036, #038, #039, #040 and #041 at least once per shift when the associated units are in operation when venting to the atmosphere until the baghouse leak detection system is repaired or replaced. When for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records and Reports. 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 - Preparation, Implementation, Records and Reports shall be considered a deviation from 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 OES shall be calibrated at least once every six (6) months.

D.2.18 SO_2 Monitor Downtime [326 IAC 2-7-6] [326 IAC 2-7-5(1)]

Whenever the SO_2 Continuous Emission Monitor (CEM) is malfunctioning or will be down for repairs or adjustments for a period of four (4) hours or more, a calibrated backup CEM for Stack/Vent S-100 shall be brought online within four (4) hours of shutdown of the primary CEM.

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

D.2.19 Record Keeping Requirements

(a) Pursuant to 40 CFR Part 63.550 and 326 IAC 20-13, the Permittee shall maintain records for bag leak detection systems on site for a period of three (3) years and be available for an additional two (2) years and shall include the following information:

(1) Records of bag leak detection system output.
(2) Identification of the date and time of all bag leak detection system alarms.
(3) The time that procedures to determine the cause of the alarm were initiated.
(4) The cause of the alarm.
(5) An explanation of the actions taken.
(6) The date and time the alarm was corrected.
(7) Records of total operating time of an affected source during smelting operations for each six (6) month period.
(8) Any record keeping required as part of the practices described in the Standard Operating Procedures Manual for baghouses required under 40 CFR 63.548(a).

(b) The Permittee shall keep records on the continuous SO_2 emissions monitoring systems in accordance with 326 IAC 3-5-6.

(c) To document compliance with Condition D.2.16, the Permittee shall maintain records of visible emission notations of the stack exhaust from Stack/Vent S-100 once per shift.

(d) To document compliance with Condition D.2.17, the Permittee shall maintain records of once per shift total static pressure drop checks during normal operation when venting to the atmosphere.

(e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.20 Reporting Requirements

(a) Pursuant to 40 CFR 63.550, the Permittee shall comply with all of the reporting requirements under 40 CFR 63.10 of the General Provisions. The submittal of reports shall be no less frequent than specified under 40 CFR 63.10(e)(3) of the General Provisions. Once a source reports a violation of the standard or excess emissions, the source shall follow the reporting format required under 40 CFR 63.10(e)(3) until a request to reduce reporting frequency is approved. The reports shall include the information specified in (1) through (4) of this Condition.

(1) The report shall include records of all alarms from the bag leak detection system specified in 40 CFR 63.548(e).

(2) The report shall include a description of the procedures taken following each bag leak detection system alarm pursuant to 40 CFR 63.548(f)(1) and (2).

(3) The reports shall contain a summary of the records maintained as part of the practices described in the standard operating procedures manual for baghouses required under 40 CFR 63.548(a) including an explanation of the periods when the procedures were not followed and the corrective actions taken.

(4) The reports shall contain a summary of the records maintained as part of the practices described in the Standard Operating Procedures Manual for Baghouses #036, #038, # 039, #040 and #041 required under 40 CFR 63.548(a) including an explanation of the periods when the procedures were not followed and the corrective actions taken.

(b) Pursuant to 326 IAC 20-13-8, the Permittee shall submit a report within thirty (30) days after the end of each preceding six (6) month period ending June 30 and December 31 of each year that includes the following:

(1) A description of the actions taken following each bag leak detection system alarm.

(2) Calculations of the percentage of time the alarm on the bag leak detection system was activated during the reporting period.

(c) Pursuant to 326 IAC 3-5-7, the Permittee shall submit a quarterly excess emissions report for SO_2 emissions. This report shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the calendar quarter being reported

SECTION D.3 FACILITY OPERATION CONDITIONS

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

(i) General Building Ventilation of the bin 10 feed storage area, identified as GV101. Portions of process fugitive emissions generated by operations conducted in this area are controlled by Roof Vent Baghouse RV #1 and exhausting to Stack/Vent S-101. These operations potentially generate fugitive emissions from storage and handling of reverberatory charge materials and general emissions generated by traffic and housekeeping activities. Roof Vent Baghouse RV #1 was installed in 1991.

(j) General Building Ventilation of the cold charge electric arc furnace building west, identified as GV102. Portions of process fugitive emissions generated by operations conducted in this area are controlled by Roof Vent Baghouse RV #2 and exhausting to Stack/Vent S-102. These operations potentially generating fugitive emissions include the Electric Arc Furnace, slag and lead tapping, furnace charging, feed hopper, feed conveyor, charge make-up, slag handling (shaking), and general emissions generated by traffic and housekeeping activities. Roof Vent Baghouse RV #2 was installed in 1991.

(k) General Building Ventilation of the cold charge electric arc furnace building east, identified as GV103. Portions of process fugitive emissions generated by operations conducted in this area are controlled by Roof Vent Baghouse RV #3 and exhausting to Stack/Vent S-103. These operations potentially generating fugitive emissions include the electric arc furnace, slag and lead tapping, furnace charging, feed hopper, feed conveyor, charge make-up, slag handling (shaking), and general emissions generated by traffic and housekeeping activities. Roof Vent Baghouse RV #3 was installed in 1991.

(l) General Ventilation for the reverb charge room, identified as GV104. Portions of process fugitive emissions generated by operations conducted in this area are controlled by Roof Vent Baghouse RV #4 and exhausting to Stack/Vent S-104. These operations potentially generating fugitive emissions include make up of reverberatory charge materials and general emissions generated by traffic and housekeeping activities. Roof Vent Baghouse RV #4 was installed in 1991.

(m) General Ventilation for the cold charge electric arc furnace slag room, identified as GV105. Portions of process fugitive emissions generated by operations conducted in this area are controlled by roof vent Baghouse RV #5 and exhausting to Stack/Vent S-105. These operations potentially generating fugitive emissions include general handling and storage of charge materials such as slag, iron, limestone and coke, and general emissions generated by traffic and housekeeping activities. Roof Vent Baghouse RV #5 was installed in 1991.

(n) General Ventilation for the reverb furnace and slag reduction furnace (SRF), identified as GV106. Portions of process fugitive emissions generated by operations conducted in this area are controlled by Roof Vent Baghouse RV #6 and exhausting to Stack/Vent S-106. These operations potentially generating fugitive emissions include the Reverberatory/Slag Reduction Furnaces-lead and slag tapping, furnace charging, feed conveyor, slag handling, and general emissions generated by traffic and housekeeping activities. Roof Vent Baghouse RV #6 was installed in 1991.

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

SECTION D.3 FACILITY OPERATION CONDITIONS

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

(o) General Ventilation of the north refinery area, identified as GV107. Portions of process fugitive emissions generated by operations conducted in this area are controlled by Roof Vent Baghouse RV #7 and exhausting to Stack/Vent S-107. The operations potentially generating fugitive emissions include the 8 refining kettles, kettle charging, dross skimming, casting, natural gas fired trimmer burners rated at 1.8 million Btu in the casting machine area and general emissions generated by traffic and housekeeping activities. Roof Vent Baghouse RV #7 was installed in 1991.

(p) General Ventilation of the slag reduction furnace area, identified as GV108. Portions of process fugitive emissions generated by operations conducted in this area are controlled by Roof Vent Baghouse RV #8 and exhausting to Stack/Vent S-108. These operations potentially generating fugitive emissions include the slag reduction/ reverberatory furnace - lead and slag tapping, furnace charging, feed conveyor, slag handling and general emissions generated by traffic and housekeeping activities. Roof Vent Baghouse RV #8 was installed in 1992.

(q) General Ventilation of the south refinery area, identified as GV109. Portions of process fugitive emissions generated by operations conducted in this area are controlled by Roof Vent Baghouse RV #9 and exhausting to Stack/Vent S-109. These operations potentially generating fugitive emissions include 8 refining kettles, kettle charging, dross skimming, casting and general emissions generated by traffic and housekeeping activities. Roof Vent Baghouse RV #9 was installed in 1995.

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

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

D.3.1 General Provisions Relating to HAPs [40 CFR 63, Subpart A][326 IAC 20-1-1]

The provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1 (Hazardous Air Pollutants), apply to the facilities described in this Section except when otherwise specified in 40 CFR Part 63, Subpart X (National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting).

D.3.2 Process Fugitive Emissions [326 IAC 20-13][40 CFR 63.544]

(a) Pursuant to 40 CFR 63.544, the Permittee shall control process fugitive emission sources as follows:

(1) Process fugitive emission sources shall be equipped with an enclosure hood meeting the requirements of 40 CFR 63.544(b)(1), (b)(2) and (b)(3) 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.

(2) Ventilation air from all enclosure hoods and total enclosures shall be conveyed to a control device. Gases discharged to the air from these control devices shall not contain Lead compounds in excess of two (2.0) milligrams of Lead per dry standard cubic meter of exhaust (0.00087 grains per dry standard cubic foot of exhaust).

(3) 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 two (2.0) milligrams of Lead per dry standard cubic meter (0.00087 grains per dry standard cubic foot of exhaust).

(b) Pursuant to 326 IAC 20-13-7(f), ventilation air from the following shall be conveyed or ventilated to a control device:

(1) All enclosure hoods and total enclosures.

(2) All dryer emission vents.

D.3.3 Lead Emissions Limitation [326 IAC 20-13][326 IAC 20-13-2][40 CFR Part 63.544(c)][40 CFR 63.545(e)]

(a) Pursuant to 40 CFR 63.545(e) (National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting), the fugitive emissions of lead compounds from Roof Vent Baghouse RV #1, RV #2, RV #3, RV# 4 and RV #5, which exhaust to Stack/Vent S-101, S-102, S-103, S-104 and S-105, respectively, each shall not exceed two (2.0) milligrams of lead per dry standard cubic meter of exhaust (0.00087 grains per dry standard cubic foot of exhaust).

(b) Pursuant to 326 IAC 20-13-2 (Hazardous Air Pollutants: Secondary Lead Smelters Emission Limitations; Lead Standards for Quemetco, Incorporated), Lead emissions from Stack/Vent S-101, S-102, S-103, S-104, S-105, S-106, S-107, S-108 and S-109 each shall not exceed five tenths (0.5) milligram per dry standard cubic meter of exhaust (0.00022 grains per dry standard cubic feet of exhaust air).

D.3.4 Particulate (PM) Limit [326 IAC 6.5-1-2(a)]

Pursuant to 326 IAC 6.5-1-2(a), Particulate emissions from Stack/Vent S-101, S-102, S-103, S-104, S-105, S-106, S-107, S-108 and S-109 each shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

D.3.5 Opacity Limitation [326 IAC 20-13]

Pursuant to 326 IAC 20-13-7;

(a) Stack/Vent S-101, S-102, S-103, S-104, S-105, S-106, S-107, S-108 and S-109 each shall not exceed five percent (5.0%) opacity as determined by 40 CFR Part 60 Appendix A Method 9 or an acceptable alternative method as defined in Method 9.

(b) Exterior dust systems of dry collectors of Lead emitting processes (augers, hoppers, transfer points) shall not discharge to the atmosphere visible emissions in excess of five percent (5.0%) of an observation period consisting of three (3) twenty (20) minute periods, as determined by 40 CFR 60, Appendix A, Reference Method 22. The provisions under this subdivision for dust handling systems shall not apply during maintenance and repair of the dust handling systems. During maintenance and repair of the dust handling systems, the Permittee shall take reasonable measures to prevent or minimize fugitive dust emissions.

D.3.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for Roof Vent Baghouses RV #1 through RV#9.

Compliance Determination Requirements

D.3.7 Particulate Control

In order to comply with Condition D.3.2, D.3.3 and D.3.4, the Baghouses identified as RV #1, RV #2, RV #3, RV #4, RV #5, RV #6, RV #7, RV #8 and RV #9 for particulate control shall be in operation and control emissions at all times that process fugitive and fugitive emission sources are in operation.

D.3.8 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11][326 IAC 20-13][40 CFR 63.544] [40 CFR 63.545]

(a) Pursuant to 326 IAC 20-13-6, the Permittee shall conduct testing for Lead compounds from Stack/Vent S-106, S-107, S-108 and S-109 on a biennial basis, no later than twenty four (24) calendar months following the previous compliance test to determine compliance with Condition D.3.3. Compliance with this testing schedule demonstrates compliance with the testing and retesting schedule pursuant to 40 CFR Part 63.544(e) for process fugitive emission sources. The Permittee shall conduct testing on Stack/Vent S-106, S-107, S-108 and S-109 for Lead compounds no later than March 25, 2005. The test shall be conducted utilizing Methods specified in 40 CFR Part 63.547(a). In addition to these requirements, IDEM, OAQ and/or OES may require compliance testing at any time when it is deemed necessary to determine compliance with condition D.3.3.

(b) The Permittee shall conduct testing for Lead compounds on Stack/Vents S-101 S-102, S-103, S-104, and S-105 to determine compliance with Condition D.3.3 within thirty six (36) months after permit issuance. These tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. The test shall be conducted utilizing Methods specified in 40 CFR Part 63.547(a). In addition to these requirements, IDEM, OAQ and/or OES may require compliance testing at any time when it is deemed necessary to determine compliance with condition D.3.3.

D.3.9 Operating Procedures [326 IAC 20-13][40 CFR 63.548(a),(b),(c),(d) and (g)]

(a) Pursuant to 40 CFR 63.548(a) and (b) the Permittee shall operate at all times in accordance with the Standard Operating Procedures Manual approved by IDEM, OAQ and OES dated May 24, 2001 that describes in detail procedures for inspection, maintenance and corrective action plans for Roof Vent baghouses RV #1, RV #2, RV #3, RV #4, RV #5, RV #6, RV #7, RV #8 and RV #9. The Standard Operating Procedures manual shall, at a minimum, include the following requirements of 40 CFR Part 63.548(c)(1) through (8), and (d):

(1) Daily monitoring of pressure drop across each baghouse cell.
(2) Weekly confirmation that dust is being removed from hoppers through visual inspection or equivalent means of ensuring proper functioning of removal mechanism.
(3) Daily check of compressed air supply.
(4) An appropriate methodology for monitoring cleaning cycles to ensure proper operation.
(5) Monthly check of bag cleaning mechanisms for proper functioning through visual inspection or equivalent means.
(6) Quarterly confirmation of the physical integrity of the baghouse through visual inspection of the baghouse interior for air leaks.
(7) Quarterly inspection of fan for wear, material buildup, and corrosion.
(8) The procedures specified in the Standard Operating Procedures manual for maintenance shall, at a minimum, include a preventive maintenance schedule that is consistent with the baghouse manufacturer's instructions for routine an long term maintenance.

(b) Pursuant to 40 CFR 63.548(g), Roof Vent Baghouses RV #1, RV #2, RV #3, RV #4, RV #5, RV #6, RV #7, RV #8 and RV #9 which are each equipped with HEPA filters as a secondary filter to control process fugitive, or fugitive emissions are exempt from the requirement in 40 CFR 63.548(c)(9) to be equipped with a bag leak detector. For each affected source equipped with a HEPA filter, the Permittee shall monitor and record the pressure drop across the HEPA filter system daily. If the pressure drop is outside the limit(s) specified by the filter manufacturer, the Permittee must take appropriate corrective measures, which may include but not limited to the following:

(1) Inspecting the filter and filter housing for air leaks and torn or broken filters.
(2) Replacing defective filter media, or otherwise repairing the control device.

(3) Sealing off a defective control device by routing air to other control devices.

(4) Shutting down the process producing the particulate emissions.

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

D.3.10 Visible Emissions Notations

(a) Visible emission notations of Stack/Vent S-101 through S-109 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 these units 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 - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

D.3.11 Parametric Monitoring

The Permittee shall record the total static pressure drop across Roof Vent Baghouses RV #1 through RV #9 at least once per shift when in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records and Reports. 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 - Preparation, Implementation, Records and Reports shall be considered a deviation from 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 OES shall be calibrated at least once every six (6) months.

D.3.12 Broken or Failed Bag Detection

In the event that bag 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. 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 - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit. If operations continue after bag

failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

(b) For single compartment baghouses, if failure is indicated by a significant drop in the bathhouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

D.3.13 Record Keeping Requirements

(a) The Permittee shall maintain purchasing records and manufacturer's specifications of HEPA filters installed on all process fugitive and fugitive dust stacks demonstrating the filters have been certified by the manufacturer to meet the definition of HEPA filters in 40 CFR 63.542. The records and manufacturer's specifications shall be maintained on site for three (3) years and shall be available for an additional two (2) years.

(b) Any recordkeeping required as part of the practices described in the standard operating procedures manual for baghouses required under 40 CFR 63.548(a).

(c) To document compliance with Condition D.3.10, the Permittee shall maintain records of visible emission notations of the stack exhaust from Stack/Vent S-101 through S-109 once per shift.

(d) To document compliance with Condition D.3.11, the Permittee shall maintain records of once per shift total static pressure drop checks during normal operation when venting to the atmosphere.

(e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.3.14 Reporting Requirements

The Permittee shall comply with all of the reporting requirements under 40 CFR 63.10 of the General Provisions. The submittal of reports shall be no less frequent than specified under 40 CFR 63.10(e)(3) of the General Provisions. Once a source reports a violation of the standard or excess emissions, the source shall follow the reporting format required under 40 CFR 63.10(e)(3) until a request to reduce reporting frequency is approved. The reports shall contain a summary of the records maintained as part of the practices described in the standard operating procedures manual for baghouses required under 40 CFR 63.548(a) including an explanation of the periods when the procedures were not followed and the corrective actions taken.

SECTION D.4 FACILITY OPERATION CONDITIONS

Insignificant Emitting Activities

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

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour [326 IAC 6.5-1-2]

(1) Maintenance Office HVAC system for natural gas heating at 70,000 Btu per hour.

(b) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4][326 IAC 20-13][40 CFR 63.541, Subpart X]

(c) Emergency Gasoline generators not exceeding 110 horsepower. [326 IAC 6.5-1-2]

(d) Emergency Diesel generators not exceeding 1600 horsepower. [326 IAC 6.5-1-2]

(e) Battery Wrecker. [326 IAC 6.5-1-2][326 IAC 20-13][40 CFR 63.541, Subpart X]

(f) Roadway Surface Fugitive Emissions. [326 IAC 6-4][326 IAC 20-13][40 CFR 63.541, Subpart X]

(g) Outside Storage Bins: Coke Storage Bin, Iron Storage Bin and Limestone Storage Bin. [326 IAC 6.5-1-2][326 IAC 20-13][40 CFR 63.541, Subpart X]

(h) General Parts Washing. Installation date of prior to January 1, 1980. [326 IAC 8-3-5]

(i) Five (5) Soda Ash Silos equipped with baghouse filters. [326 IAC 6.5-1-2]

(j) Water Quality Department wet scrubber identified as Unit W W Sly. [326 IAC 6.5-1-2]

(k) Maintenance Shop, emissions controlled by a cartridge filter identified as MS, which exhausts to one stack identified as Stack/Vent MS-1. [326 IAC 6.5-1-2] The Maintenance Shop includes the following, each exhausted at Stack/Vent MS-1:

(1) Activities related to routine fabrication, maintenance and repair of buildings, structures, equipment or vehicles at the source where air emissions from those activities would not be associated with any commercial production process, including:
(A) Brazing, soldering, or welding operations and associated equipment.
(B) Batteries and battery charging stations, except at battery manufacturing plants.
(C) Lubrication, including hand-held spray can lubrication, dipping metal parts into lubricating oil, and manual or automated addition of cutting oil in machining operations.

(2) Activities performed using hand-held equipment including the following:
(A) Drilling.
(B) Grinding.
(C) Machining wood, metal, or plastic.
(D) Sanding.
(E) Sawing.
(F) Turning wood, metal, or plastic.
(G) Surface Grinding.

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

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

D.4.1 Particulate (PM) Limit [326 IAC 6.5-1-2(a)]

Pursuant to 326 IAC 6.5-1-2(a), Particulate emissions from the Maintenance Office HVAC system, Emergency Gasoline Generators, Emergency Diesel Generators, Battery Wrecker, Outside Storage Bins, the five (5) Soda Ash Silos, the Water Quality Department wet scrubber and the Maintenance Shop shall each not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

D.4.2 Volatile Organic Compounds [326 IAC 8-3-5]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the Permittee shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9^{O}C) (one hundred twenty degrees Fahrenheit (120°F)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the Permittee shall ensure that the following operating requirements are met:

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865
and
Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, IN 46221-2009

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Quemetco, Inc.
Source Address: 7870 West Morris Street, Indianapolis, Indiana 46231
Mailing Address: 7870 West Morris Street, Indianapolis, Indiana 46231
Part 70 Permit No.: T097-6201-00079

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

Please check what document is being certified:

Annual Compliance Certification Letter

Test Result (specify)

Report (specify)

Notification (specify)

Affidavit (specify)

Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
Signature:
Printed Name:
Title/Position:
Phone:
Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
and
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
AIR COMPLIANCE
PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Quemetco, Inc.
Source Address: 7870 West Morris Street, Indianapolis, Indiana 46231
Mailing Address: 7870 West Morris Street, Indianapolis, Indiana 46231
Part 70 Permit No.: T097-6201-00079

This form consists of 2 pages **Page 1 of 2**

☐ This is an emergency as defined in 326 IAC 2-7-1(12)

- The Permittee must notify the Office of Air Quality (OAQ), and OES within four (**4**) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

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

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

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

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

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
and
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
AIR COMPLIANCE
PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Quemetco, Inc.
Source Address: 7870 West Morris Street, Indianapolis, Indiana 46231
Mailing Address: 7870 West Morris Street, Indianapolis, Indiana 46231
Part 70 Permit No.: T097-6201-00079

Months: _____ to _____ Year: _____

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

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

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

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

Form Completed By:
Title/Position:
Date:
Phone:

Attach a signed certification to complete this report.

Appendix A
Listing of Vents/Pick-Up Points per Emission Unit

Table 1

Stack/Vent ID	Control Equipment/ID	Control Equipment/ID	Hood/Pickup Point ID	Emission Unit ID
S-111 (SO_2 CEM)	Scrubber # 046	Baghouse # 035 Reverb Process	035-1 Reverb Furnace Flue	3.1 Reverb Furnace Process Emissions
		Baghouse # 037 Slag Reduction Furnace	037-1 SRF Feed Hopper Draft 037-3 SRF Lead Well Draft 037-2 SRF Slag Caster Draft 037-5 SRF Slag Launder Draft 037-4 SRF Furnace Flue 037-6 SRF Slag Caster Draft	3.3 Slag Reduction Furnace (SRF)
S-100 (SO_2 CEM)	----	Baghouse # 038 Reverb Sanitary	038-3 Reverb Feed Chute Stoker Draft 038-1 Rotary Dryer Draft East End 038-2 Rotary Dryer Draft/Belt 1 West End	3.1 Reverb Furnace Process Fugitive Emissions + Emission Unit 8 (Rotary Dryer)
		Baghouse # 036	036-1 Reverb Slag Tap 036-2 SRF Slag Tap 036-3 Kettle 8 Hood Draft 036-4 D Bin/Dross Dumper Hoods 036-5 Slag Tap 036-6 Slag Launder 036-7 Slag Shakers 036-8 Slag Cooling Bin	3.2 Electric Arc Furnace
		Baghouse # 041 Sanitary	041-9 Reverb General Hooding, 041-10 Reverb Feed Chute General, 041-1 Cold Charge Slag Loading Area, 041-2 Cold Charge Hot Slag Bin 041-3 Cold Charge Building West, 041-4 Cold Charge Building East, 041-5 SRF Hot Slag Area 041-6 Cold Charge Feed Hopper, 041-7 Charge Room (Reverb Furnace), 041-8 Reverb Feed Hopper, 041-11 Belt # 1 General, 041-12 West Rotary Dryer Hood General, 041-13 East Rotary Dryer Hood General, 041-14 SRF Hot Slag Drop Out Bin, R-11 Casting Machine, 041-15 Steel Case Cutting Station, 041-16 Refinery Dross Dump Bin, 041-17 Reverb Slag Caster Hood, 041-18 Kettle #9 Draft	3.1 Reverb Furnace Process Emissions + 3.2 Electric Arc Furnace (fugitives) + Emission Unit 8 (Rotary Dryer) + Emission Unit 7 Casting Machine + Kettle #9

Table 1

Stack/Vent ID	Control Equipment/ID	Control Equipment/ID	Hood/Pickup Point ID	Emission Unit ID
S-100 (SO_2 CEM)	----	Baghouse # 039 Refinery Sanitary Baghouse # 040 Refinery Sanitary (parallel, not in series)	R-9 Reverb Lead Well Draft R-10 Reverb Slag Launder Draft R-1 through R -8 Refinery Kettle(s) #1 through#8 Draft(s)	3.1 Reverb Furnace Process Fugitive Emissions + Kettle(s) #1 - #8
S-114	----	----	----	Natural Gas firing for Kettle #2
S-116	----	----	----	Natural Gas firing for Kettle(s) #3 and #4
S-115	----	----	----	Natural Gas firing for Kettle(s) #5 and #6
S-113	----	----	----	Natural Gas firing for Kettle #7
S-112	----	----	----	Natural Gas firing for Kettle #8
S-117	----	---	---	Natural Gas firing for Kettle #1
S-118	---	---	---	Natural Gas firing for Kettle #9
S-101	---	Roof Vent Baghouse RV #1	45-1 Bin 10 Feed Storage General	GV101 (Bin 10 Feed Storage Area)
S-102	----	Roof Vent Baghouse RV#2	45-2 CC EAF Building General West	GV102 (CC EAF Building West)
S-103	----	Roof Vent Baghouse RV#3	45-3 CC EAF Building General East	GV103 (EAF Building East + 3.2 Electric Arc Furnace (fugitives))
S-104	----	Roof Vent Baghouse RV#4	45-4 Reverb Charge Room General	GV104 (Reverb Charge Room)
S-105	----	Roof Vent Baghouse RV#5	45-5 CC EAF Slag Room General	GV105 (CC EAF Slag Room)
S-106	----	Roof Vent Baghouse RV#6	45-6 Reverb/Slag Reduction Furnace General	GV106 (Reverb/Slag Reduction Furnace)
S-107	----	Roof Vent Baghouse RV#7	45-7 Refinery General North	GV107 (North Refinery Area)
S-108	----	Roof Vent Baghouse RV#8	45-8 SRF General	GV108 (SRF Area)
S-109	----	Roof Vent Baghouse RV#9	45-9 Refinery General South	GV109 (South Refinery Area)

Appendix B

The following state rule have been adopted by reference by the Indianapolis Air Pollutant Control Board and are enforceable by Indianapolis Office of Environmental Services (OES) using local enforcement procedures.

(1) 326 IAC 1-1-1 through 1-1-3 and 1-1-5;
(2) 326 IAC 1-2-1 through 1-2-91 (In addition, the IAPCB has adopted several local definitions);
(3) 326 IAC 1-3-1 through 1-3-4;
(4) 326 IAC 1-4-1 (The IAPCB added to the adoption by reference a citation to 61 FR 58482 (November 15, 1996));
(5) 326 IAC 1-5-1 through 1-5-5;
(6) 326 IAC 1-6-1 through 1-6-6;
(7) 326 IAC 1-7-1 through 1-7-5
(8) 326 IAC 2-3-1 through 2-3-5;
(9) 326 IAC 2-4-1 through 2-4-6;
(10) 326 IAC 2-6-1 through 2-6-4;
(11) 326 IAC 2-7-1 through 2-7-18, 2-7-20 through 2-7-25;
(12) 326 IAC 2-8-1 through 2-8-15, 2-8-17 through 2-8-10;
(13) 326 IAC 2-9-1 through 2-9-14;
(14) 326 IAC 2-10-1 through 2-10-5 (The IAPCB adoption adds the language “state or local” immediately after the word “federal” in 326 IAC 2-10-1);
(15) 326 IAC 2-11-1, 2-11-3 and 2-11-4 (The IAPCB adoption adds the language “federal, state or local” immediately after the word “by” in 326 IAC 2-11-1);
(16) 326 IAC 3-1.1-1 through 3-1.1-5;
(17) 326 IAC 3-2.1-1 through 3-2.1-5;
(18) 326 IAC 3-3-1 through 3-3-5;
(19) 326 IAC 4-2-1 through 4-2-2;
(20) 326 IAC 5-1-1 (a), (b) and c) (5), 5-1-2 (1), (2)(A), (2)c) (4), 5-1-3 through 5-1-5, 5-1-7;
(21) 326 IAC 7-1.1-1 and 7-1.1-2;
(22) 326 IAC 7-2-1;
(23) 326 IAC 7-3-1 and 7-3-2;
(24) 326 IAC 7-4-2(28) through (31) (Instead of adopting by reference 7-4-2(1) through (27), the IAPCB regulation substitutes the same requirements listed in a format in which the companies are alphabetized and emission points known to no longer exist have been deleted);
(25) 326 IAC 8-1-0.5 except (b), 8-1-1 through 8-1-2, 8-1-3 except c), (g) and (i), 8-1-5 through 8-1-12;
(26) 326 IAC 8-2-1 through 8-2-12 (The IAPCB adoption by reference of 8-2- 5 adds additional language specific to Zimmer Paper Products, Incorporated as subpart c);
(27) 326 IAC 8-3-1 through 8-3-7;
(28) 326 IAC 8-4-1 through 8-4-5, 8-4-6 (a)(6), (a)(8) and (a)(14) and 8-4-6(b)(1), (b)(3) and 8-4-6c) (In place of 8-4-6(b)(2), which was not adopted, the IAPCB adopted language requiring a pressure relief valve set to release at no less than four and eight-tenths (4.8) Kilo Pascals (seven-tenths (0.7) pounds per square inch)), 8-4-7 except (e), 8-4-8 and 8-4-9;
(29) 326 IAC 8-5-1 through 8-5-4, 8-5-5 except (a)(3) and (d)(3);
(30) 326 IAC 8-6-1 and 8-6-2;
(31) 326 IAC 9-1-1 and 9-1-2;
(32) 326 IAC 11-1-1 through 11-1-2;
(33) 326 IAC 11-2-1 through 11-2-3;
(34) 326 IAC 11-3-1 through 11-3-6;
(35) 326 IAC 14-1-1 through 14-1-4;

Appendix B continued

(36) 326 IAC 14-2-1 except 40 CFR 61.145;
(37) 326 IAC 14-3-1;
(38) 326 IAC 14-4-1;
(39) 326 IAC 14-5-1;
(40) 326 IAC 14-6-1;
(41) 326 IAC 14-7-1;
(42) 326 IAC 14-8-1 through 14-8-5;
(43) 326 IAC 15-1-1, 15-1-2(a)(1), (a)(2) and (a)(8), 15-1-3 and 15-1-4;
(44) 326 IAC 20-1-1 through 20-1-4 (In 20-1-3(b)(2) the adoption states that “permitting authority” means the commissioner of IDEM or the administrator of OES, whichever is applicable);
(45) 326 IAC 20-2-1;
(46) 326 IAC 20-3-1;
(47) 326 IAC 20-4-1;
(48) 326 IAC 20-5-1;
(49) 326 IAC 20-6-1;
(50) 326 IAC 20-7-1;
(51) 326 IAC 20-8-1;
(52) 326 IAC 20-9-1;
(53) 326 IAC 20-14-1;
(54) 326 IAC 20-15-1;
(55) 326 IAC 20-16-1;
(56) 326 IAC 20-17-1;
(57) 326 IAC 20-18-1;
(58) 326 IAC 20-19-1;
(59) 326 IAC 20-20-1;
(60) 326 IAC 20-21-1;
(61) 326 IAC 21-1-1 (The adoption states that “or the administrator of OES” is added in (b));
(62) 326 IAC 22-1-1 (The adoption states that “or the administrator of OES” is added in (b)).