



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

To: Interested Parties

Date: December 3, 2014

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

Source Name: OmniSource Corporation

Permit Level: Administrative Amendment

Permit Number: 003-35001-00283

Source Location: 7575 W Jefferson Boulevard, Fort Wayne, Indiana

Type of Action Taken: Modification at an existing source

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 matter referenced above. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

The final decision is available on the IDEM website at: <http://www.in.gov/apps/idem/caats/>
To view the document, select Search option 3, then enter permit 35001.

If you would like to request a paper copy of the permit document, please contact IDEM's central file room:

Indiana Government Center North, Room 1201
100 North Senate Avenue, MC 50-07
Indianapolis, IN 46204
Phone: 1-800-451-6027 (ext. 4-0965)
Fax (317) 232-8659

(continues on next page)

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, Suite N 501E, 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 Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.



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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

Brian Winters
OmniSource Corporation
7575 W. Jefferson Boulevard
Fort Wayne, IN 46804

December 3, 2014

Re: 003-35001-00283
Administrative Amendment to
F003-31502-00283

Dear Mr. Winters:

OmniSource Corporation was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. F003-31502-00283 on September 20, 2012 for a stationary non-ferrous scrap metal recycling operation located at 2511 Taylor Street, Fort Wayne, IN 46802. On October 3, 2014, the Office of Air Quality (OAQ) received an application from the source requesting to add a small copper wire chopping system to the facility.

Pursuant to 326 IAC 2-8-10(a)(13), this change to the permit is considered an administrative amendment because the permit is amended to add an emissions unit, subject to 326 IAC 2-1.1-3 (Exemptions), at the request of the Permittee.

Please find attached the entire FESOP as amended.

A copy of the permit is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

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 Tamera Wessel of my staff at 317-234-8530 or 1-800-451-6027, and ask for extension 4-8530.

Sincerely,

Jason R. Krawczyk, Section Chief
Permits Branch
Office of Air Quality

Attachments: Updated Permit

JK/tw

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



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We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

Federally Enforceable State Operating Permit Renewal OFFICE OF AIR QUALITY

**OmniSource Corporation
2511 Taylor Street
Fort Wayne, Indiana 46802**

(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. 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 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

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

Operation Permit No. F003-31502-00283	
Original signed/Issued by: Nathan C. Bell, Section Chief Permits Branch Office of Air Quality	Issuance Date: September 20, 2012 Expiration Date: September 20, 2022

Administrative Amendment No. 003-35001-00283	
Issued by:  Jason R. Krawczyk, Section Chief Permits Branch Office of Air Quality	Issuance Date: December 3, 2014 Expiration Date: September 20, 2022

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SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary non-ferrous scrap metal recycling operation.

Source Address:	2511 Taylor Street, Fort Wayne, Indiana 46802
General Source Phone Number:	(260) 422-5541
SIC Code:	5093 (Scrap and Waste Materials)
County Location:	Allen
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

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

- (a) One (1) wire reclamation system, with a nominal capacity of 25,000 pounds of aluminum and copper per hour, consisting of the following:
 - (1) Six (6) grinders, identified as PG-1, PG-2, SG-1, SG-2, SG-3, and SG-4 with one (1) twin cyclone, identified as CY-2 and one (1) baghouse, identified as C-1, for particulate control, exhausting at stack B-2. This system also contains four (4) back-up secondary grinders, identified as SG-5 through SC-8, installed in 2005, that can be used when any of the grinders SG-1 through SG-4 are not in operation.
 - (2) Five (5) air tables, identified as T-1 through T-5, with one (1) twin cyclone, identified as CY-1 and one (1) baghouse, identified as M-1, for particulate control, exhausting at stack B-1.

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

This stationary source also includes the following insignificant activities:

- (a) One (1) metal alloy chip recycling system consisting of the following equipment:
 - (1) One (1) crusher, with a nominal capacity of 25,000 pounds of metal per hour;
 - (2) One (1) bin with a nominal capacity of 20 tons of metal turnings;
 - (3) One (1) bin with a nominal capacity of 40 tons of crushed metal.
- (b) One (1) Wire Chopping System, permitted in 2014, with a nominal capacity of 3 tons per hour, using no control, exhausting within the building, and consisting of:
 - (1) One (1) Wire Chopper, with a nominal throughput capacity of 3 tons per hour;

- (2) Two (2) Wire Choppers, with a nominal throughput capacity of 1.8 tons per hour, each;
- (3) Six (6) conveyor transfer points, with a nominal throughput capacity of 3 tons per hour, each;
- (4) Two (2) conveyor transfer points, with a nominal throughput capacity of 1.2 tons per hour, each;
- (5) Fifteen (15) conveyor transfer points, with a nominal throughput capacity of 1.8 tons per hour, each;
- (6) Eight (8) conveyor transfer points, with a nominal throughput capacity of 0.9 tons per hour, each;
- (7) Eight (8) conveyor transfer points, with a nominal throughput capacity of 0.45 tons per hour, each;
- (8) Eight (8) conveyor transfer points, with a nominal throughput capacity of 0.225 tons per hour, each;
- (9) Four (4) conveyor transfer points, with a nominal throughput capacity of 0.1125 tons per hour, each;
- (10) One (1) oscillator, with a nominal throughput capacity of 1.8 tons per hour;
- (11) One (1) oscillator, with a nominal throughput capacity of 0.225 tons per hour;
- (12) Two (2) magnet table/stands, with a nominal throughput capacity of 1.8 tons per hour, each;
- (13) Two (2) magnet table/stands, with a nominal throughput capacity of 0.45 tons per hour, each;
- (14) Two (2) gravity tables, with a nominal throughput capacity of 0.9 tons per hour, each;
- (15) One (1) mini Z-box, with a nominal throughput capacity of 3 tons per hour.

(c) Unpaved Roads

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

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

SECTION B GENERAL CONDITIONS

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

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

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

- (a) This permit, F003-31502-00283, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

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

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

B.4 Enforceability [326 IAC 2-8-6] [IC 13-17-12]

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

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

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

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

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

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

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

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

- (a) A certification required by this permit meets the requirements of 326 IAC 2-8-5(a)(1) if:

- (1) it contains a certification by an "authorized individual", as defined by 326 IAC 2-1.1-1(1), and
 - (2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
 - (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.9 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

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

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

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
 - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.10 Compliance Order Issuance [326 IAC 2-8-5(b)]

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

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

- (a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:
- (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.

The Permittee shall implement the PMPs.

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

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

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

The Permittee shall implement the PMPs.

- (c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.

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

- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865

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

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

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

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

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

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

- (a) All terms and conditions of permits established prior to F003-31502-00283 and issued pursuant to permitting programs approved into the state implementation plan have been either:
- (1) incorporated as originally stated,
- (2) revised, or

(3) deleted.

(b) All previous registrations and permits are superseded by this permit.

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

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

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

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

(1) That this permit contains a material mistake.

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

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]

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

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

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-8-3(g), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

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

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

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

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) and (c) without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;

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

(4) The Permittee notifies the:

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

and

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

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b)(1) and (c). The Permittee shall make such records available, upon reasonable request, for public review.

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

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

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

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

B.20 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

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

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

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

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

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

Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.22 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ no later than thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.23 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM) and greenhouse gases (GHGs), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.
- (4) The potential to emit greenhouse gases (GHGs) from the entire source shall be limited to less than one hundred thousand (100,000) tons of CO₂ equivalent emissions (CO₂e) per twelve (12) consecutive month period.

(b) Pursuant to 326 IAC 2-2 (PSD), potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.

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

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

C.3 Opacity [326 IAC 5-1]

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

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

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

C.4 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.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

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

C.6 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.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

The Permittee shall comply with the applicable requirements of 326 IAC 14-10, 326 IAC 18, and 40 CFR 61.140.

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

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

(a) For new units:

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.

(b) For existing units:

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

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

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

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- (a) The Permittee shall maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

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

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

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

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

- (a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to normal or usual manner of operation.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records; and/or
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall record the reasonable response steps taken.

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

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ

that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline

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

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following, where applicable:

- (AA) All calibration and maintenance records.
- (BB) All original strip chart recordings for continuous monitoring instrumentation.
- (CC) Copies of all reports required by the FESOP.

Records of required monitoring information include the following, where applicable:

- (AA) The date, place, as defined in this permit, and time of sampling or measurements.
- (BB) The dates analyses were performed.
- (CC) The company or entity that performed the analyses.
- (DD) The analytical techniques or methods used.
- (EE) The results of such analyses.
- (FF) The operating conditions as existing at the time of sampling or measurement.

These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

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

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

- (b) The address for report submittal is:
- Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

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

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

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) wire reclamation system, with a nominal capacity of 25,000 pounds of aluminum and copper per hour, consisting of the following:

(1) Six (6) grinders, identified as PG-1, PG-2, SG-1, SG-2, SG-3, and SG-4 with one (1) twin cyclone, identified as CY-2 and one (1) baghouse, identified as C-1, for particulate control, exhausting at stack B-2. This system also contains four (4) back-up secondary grinders, identified as SG-5 through SG-8, installed in 2005, that can be used when any of the grinders SG-1 through SG-4 are not in operation.

(2) Five (5) air tables, identified as T-1 through T-5, with one (1) twin cyclone, identified as CY-1 and one (1) baghouse, identified as M-1, for particulate control, exhausting at stack B-1.

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

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

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

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from each of the following facilities shall not exceed the allowable emission rates listed in the following table:

Emission Unit/Activity	Control	Process Weight Rate (tons per hour)	326 IAC 6-3-2 Allowable Particulate Emission Rate (pounds per hour)
Grinders (PG-1, PG-2, SG-1, SG-2, SG-3, SG-4, SG-5, SG-6, SG-7, and SG-8)	Cyclone CY-2 and Baghouse C-1	12.5	22.27
Air Tables (T-1 through T-5)	Cyclone CY-1 and Baghouse M-1	12.5	22.27

These pounds per hour limitations were calculated with the following equation:

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

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour and
 P = process weight rate in tons per hour

D.1.2 FESOP and PSD Minor Limitations [326 IAC 2-8] [326 IAC 2-2]

Pursuant to 326 IAC 2-8 (FESOP), and in order to render the requirements of 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, PM, PM10, and PM2.5 emissions after control from the facilities listed below shall be less than the following emission limitations:

Emission Unit	Control	PM Emission Limit (lbs/hour)	PM10 Emission Limit (lbs/hour)	PM2.5 Emission Limit (lbs/hour)
Grinders (PG-1, PG-2, SG-1, SG-2, SG-3, SG-4, SG-5, SG-6, SG-7, and SG-8)	Cyclone CY-2 and Baghouse C-1	18.75	7.4	7.4
Air Tables (T-1 through T-5)	Cyclone CY-1 and Baghouse M-1	23.6	9.5	9.5

Compliance with these limits, combined with potential to emit PM10 and PM2.5 from all other emission units at the source, shall limit source wide PTE of PM10 and PM2.5 to less than 100 tons per year, each, and shall render the requirements of 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable. Compliance with these limits, combined with potential to emit PM from all other units at the source, shall limit source wide PTE of PM to less than 250 tons per year and shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

D.1.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

Compliance Determination Requirements

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

Not later than five (5) years from the most recent compliant stack test, in order to demonstrate compliance with Conditions D.1.2, the Permittee shall perform PM, PM10, and PM2.5 testing on the baghouses C-1 and M-1 utilizing methods as approved by the Commissioner. PM10 includes filterable and condensible PM10. PM2.5 includes filterable and condensible PM2.5.

These tests shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C – Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

D.1.5 Particulate Control

- (a) In order to comply with D.1.1 and D.1.2, baghouses C-1 and M-1 and cyclones CY-1 and CY-2 shall be in operation and control emissions from the grinders and air tables at all times that the associated emission units are in operation.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be 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.

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

D.1.6 Visible Emissions Notations

- (a) Daily visible emission notations of the stack exhausts from the grinders and the air table operations shall be performed during normal daylight operations. A trained employee

shall record whether emissions are normal or abnormal.

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

D.1.7 Parametric Monitoring

The Permittee shall record the pressure drop across baghouses C-1 and M-1 used in conjunction with the grinding and air table operations, respectively, at least once per day when the associated emission units are in operation. When, for any one reading, the pressure drop across baghouses C-1 and M-1 is outside of the normal range, the Permittee shall take a reasonable response. The normal range for these units is a pressure drop between 0.1 and 5.0 inches of water unless a different upper-bound or lower-bound value for this range is determined during the latest stack test. Section C- Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated or replaced at least once every six (6) months or other time period specified by the manufacturer. The Permittee shall maintain records of the manufacturer specifications, if used.

D.1.8 Broken or Failed Bag Detection

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

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

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

D.1.9 Record Keeping Requirement

- (a) To document the compliance status with Condition D.1.6, the Permittee shall maintain records of once per day visible emission notations of stacks B-1 and B-2 exhausts from the grinding and air table operations. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g., the process did not operate that day).
- (b) To document the compliance status with Condition D.1.7, the Permittee shall maintain once per day records of the pressure drop across baghouses C-1 and M-1 during normal operation. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g., the process did not operate that day).
- (c) Section C- General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: OmniSource Corporation
Source Address: 2511 Taylor Street, Fort Wayne, Indiana 46802
FESOP Permit No.: F003-31502-00283

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Date:

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

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

Source Name: OmniSource Corporation
Source Address: 2511 Taylor Street, Fort Wayne, Indiana 46802
FESOP Permit No.: F003-31502-00283

This form consists of 2 pages

Page 1 of 2

- | |
|--|
| <p><input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12)</p> <ul style="list-style-type: none">• The Permittee must notify the Office of Air Quality (OAQ), within four (4) daytime business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and• The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16 |
|--|

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

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

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

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: OmniSource Corporation
Source Address: 2511 Taylor Street, Fort Wayne, Indiana 46802
FESOP Permit No.: F003-31502-00283

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

Page 1 of 2

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

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

Indiana Department of Environmental Management Office of Air Quality

Technical Support Document (TSD) for an Administrative Amendment to a Federally Enforceable State Operating Permit (FESOP) Renewal

Source Description and Location

Source Name:	OmniSource Corporation
Source Location:	2511 Taylor Street, Fort Wayne, IN 46802
County:	Allen
SIC Code:	5093 (Scrap and Waste Materials)
Operation Permit No.:	F 003-31502-00283
Operation Permit Issuance Date:	September 20, 2012
Administrative Amendment No.:	003-35001-00283
Permit Reviewer:	Tamera Wessel

On October 3, 2014, the Office of Air Quality (OAQ) received an application from OmniSource Corporation related to administrative changes to an existing stationary scrap metal recycling operation.

Existing Approvals

The source was issued FESOP Renewal No. F003-31502-00283 on September 20, 2012. There have been no subsequent approvals issued.

County Attainment Status

The source is located in Allen County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Unclassifiable or attainment effective July 20, 2012, for the 2008 8-hour ozone standard. ¹
PM _{2.5}	Unclassifiable or attainment effective April 5, 2005, for the annual PM _{2.5} standard.
PM _{2.5}	Unclassifiable or attainment effective December 13, 2009, for the 24-hour PM _{2.5} standard.
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.
¹ Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.	

- (a) **Ozone Standards**
Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Allen County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM_{2.5}**
Allen County has been classified as attainment for PM_{2.5}. Therefore, direct PM_{2.5}, SO₂, and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

- (c) Other Criteria Pollutants
 Allen County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

Status of the Existing Source

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

This PTE table is from the TSD of FESOP Renewal No. F003-31502-00283, issued on September 20, 2012.

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Amendment (tons/year)								
	PM	PM10*	PM2.5**	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Grinders	82.13	32.41	32.41	0.0	0.0	0.0	0.0	0.0	0.0
Air Tables	103.37	41.61	41.61	0.0	0.0	0.0	0.0	0.0	0.0
Total PTE of Entire Source (Non-Fugitive)	185.49	74.02	74.02	0.0	0.0	0.0	0.0	0.0	0.0
Unpaved Roads (Fugitive)	8.10	2.07	0.21	0.0	0.0	0.0	0.0	0.0	0.0
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	-	-
negl. = negligible * Under the Part 70 Permit program (40 CFR 70), PM10 and PM2.5, not particulate matter (PM), are each considered as a "regulated air pollutant". **PM _{2.5} listed is direct PM _{2.5} .									

On June 23, 2014, in the case of *Utility Air Regulatory Group v. EPA*, cause no. 12-1146, (available at http://www.supremecourt.gov/opinions/13pdf/12-1146_4q18.pdf) the United States Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators outlining next steps in permitting decisions in light of the Supreme Court's decision. U.S. EPA's guidance states that U.S. EPA will no longer require PSD or Title V permits for sources "previously classified as 'Major' based solely on greenhouse gas emissions."

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHG emissions to determine operating permit applicability or PSD applicability to a source or modification.

- (a) This existing source is not a major stationary source under PSD (326 IAC 2-2), because no PSD regulated pollutant, excluding GHGs, is emitted at a rate of 250 tons per year or

more, and it is not one of the twenty-eight (28) listed source categories as specified in 326 IAC 2-2-1(ff)(1).

- (b) This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because the unlimited potential to emit HAPs is less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Description of Proposed Amendment
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The Office of Air Quality (OAQ) has reviewed an application, submitted by OmniSource Corporation on October 3, 2014, relating to the construction of a wire chopping system consisting of chopper units and related material separation and transfer points.

The following is a list of the new insignificant activities:

- (a) One (1) Wire Chopping System, permitted in 2014, with a nominal capacity of 3 tons per hour, using no control, exhausting within the building, and consisting of:
- (1) One (1) Wire Chopper, with a nominal throughput capacity of 3 tons per hour;
 - (2) Two (2) Wire Choppers, with a nominal throughput capacity of 1.8 tons per hour, each;
 - (3) Six (6) conveyor transfer points, with a nominal throughput capacity of 3 tons per hour, each;
 - (4) Two (2) conveyor transfer points, with a nominal throughput capacity of 1.2 tons per hour, each;
 - (5) Fifteen (15) conveyor transfer points, with a nominal throughput capacity of 1.8 tons per hour, each;
 - (6) Eight (8) conveyor transfer points, with a nominal throughput capacity of 0.9 tons per hour, each;
 - (7) Eight (8) conveyor transfer points, with a nominal throughput capacity of 0.45 tons per hour, each;
 - (8) Eight (8) conveyor transfer points, with a nominal throughput capacity of 0.225 tons per hour, each;
 - (9) Four (4) conveyor transfer points, with a nominal throughput capacity of 0.1125 tons per hour, each;
 - (10) One (1) oscillator, with a nominal throughput capacity of 1.8 tons per hour;
 - (11) One (1) oscillator, with a nominal throughput capacity of 0.225 tons per hour;
 - (12) Two (2) magnet table/stands, with a nominal throughput capacity of 1.8 tons per hour, each;
 - (13) Two (2) magnet table/stands, with a nominal throughput capacity of 0.45 tons per hour, each;
 - (14) Two (2) gravity tables, with a nominal throughput capacity of 0.9 tons per hour, each;

- (15) One (1) mini Z-box, with a nominal throughput capacity of 3 tons per hour.

Enforcement Issues

There are no pending enforcement actions related to this amendment.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – FESOP Amendment

The following table is used to determine the appropriate permit level under 326 IAC 2-8-10 (Administrative Permit Amendments). This table reflects the PTE before controls of the proposed amendment. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Process/ Emission Unit	PTE of Proposed Amendment (tons/year)								
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Wire Chopping System	2.94	1.84	1.84	--	--	--	--	--	--
Total PTE of Proposed Amendment	2.94	1.84	1.84	--	--	--	--	--	--

Pursuant to 326 IAC 2-8-10(a)(13), this change to the permit is considered an administrative amendment because the permit is amended to add an emissions unit or modification, subject to 326 IAC 2-1.1-3 (Exemptions), at the request of the Permittee.

PTE of the Entire Source After Issuance of the FESOP Amendment

The table below summarizes the potential to emit of the entire source, with updated emissions shown as **bold** values and previous emissions shown as ~~strike through~~ values.

Process/ Emission Unit	Potential To Emit of the Entire Source to accommodate the Proposed Amendment (tons/year)								
	PM	PM10*	PM2.5**	SO ₂	NOx	VOC	CO	Total HAPs	Worst Single HAP
Grinders	82.13	32.41	32.41	0	0	0	0	0	0
Air Tables	103.37	41.61	41.61	0	0	0	0	0	0
Metal Alloy Chip Recycling System	0	0	0	0	0	0	0	0	0
Wire Chopping System	2.94	1.84	1.84	0	0	0	0	0	0
Total PTE of Entire Source (Non-Fugitives)	188.43	75.86	75.86	0	0	0	0	0	0
Unpaved Roads (Fugitive)	8.10	2.07	0.21	0	0	0	0	0	0
Title V Major Source Thresholds	-	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	-	-
*Under the Part 70 Permit program (40 CFR 70), PM10 and PM2.5, not particulate matter (PM), are each considered as a "regulated air pollutant".									
** PM _{2.5} listed is direct PM _{2.5} .									

The table below summarizes the potential to emit of the entire source after issuance of this amendment, reflecting all limits, of the emission units. (Note: the table below was generated from the above table, with bold text un-bolded and strikethrough text deleted).

Process/ Emission Unit	Potential To Emit of the Entire Source to accommodate the Proposed Amendment (tons/year)								
	PM	PM10*	PM2.5**	SO ₂	NOx	VOC	CO	Total HAPs	Worst Single HAP
Grinders	82.13	32.41	32.41	0	0	0	0	0	0
Air Tables	103.37	41.61	41.61	0	0	0	0	0	0
Metal Alloy Chip Recycling System	0	0	0	0	0	0	0	0	0
Wire Chopping System	2.94	1.84	1.84	0	0	0	0	0	0
Total PTE of Entire Source (Non-Fugitives)	188.43	75.86	75.86	0	0	0	0	0	0
Unpaved Roads (Fugitive)	8.10	2.07	0.21	0	0	0	0	0	0
Title V Major Source Thresholds	-	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	-	-
*Under the Part 70 Permit program (40 CFR 70), PM10 and PM2.5, not particulate matter (PM), are each considered as a "regulated air pollutant".									
** PM _{2.5} listed is direct PM _{2.5} .									

(a) FESOP Status

This amendment to an existing Title V minor stationary source will not change the minor status, because the potential to emit criteria pollutants, HAPs and CO₂e from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP).

Federal Rule Applicability Determination

New Source Performance Standard (NSPS)

- (a) The requirements of the New Source Performance Standard for Primary Copper Smelters, 40 CFR 60.160 Subpart P (326 IAC 12), are not included in the permit, because this facility does not operate a primary copper smelter as defined in 40 CFR 60.161(a).
- (b) The requirements of the New Source Performance Standard for Primary Aluminum Reduction Plants, 40 CFR 60.190 Subpart S (326 IAC 12), are not included in the permit, because this facility does not operate a primary aluminum reduction plant as defined in 40 CFR 60.191.
- (c) The requirements of the New Source Performance Standard for Ferroalloy Production Facilities, 40 CFR 60.260 Subpart Z (326 IAC 12), are not included in the permit, because this facility does not contain an electric submerged arc furnace.
- (d) The requirements of the New Source Performance Standard (NSPS) for Metallic Mineral Processing Plants, 40 CFR 60, Subpart LL (326 IAC 12), are not included in the permit since the source does not meet the definition of a metallic mineral processing plant, as defined in 40 CFR 60.381. The source operates a metal recycling facility and does not produce metallic mineral concentrates from ore.
- (e) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included for this proposed amendment.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (f) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Primary Aluminum Reduction Plants, Subpart LL (326 IAC 20-24) are not included in the permit for the stationary non-ferrous scrap metal recycling operation, because this facility is not located at a major source of HAPs as defined in §63.2.
- (g) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Primary Copper Smelting, Subpart QQQ, are not included in the permit, since the source does not operate a primary copper smelter, as defined in 40 CFR 63.1459, that is (or is part of) a major source of hazardous air pollutants (HAP) emissions.
- (h) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Secondary Aluminum Production, Subpart RRR (326 IAC 20-70) are not included in the permit for the wire chopping system, because this facility is not a major source of hazardous air pollutants (HAPs) as defined in §63.2.
- (i) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Primary Copper Smelting Area Sources, Subpart EEEEE, are not included in the permit, since the source does not own or operate a primary copper smelter, as defined in 40 CFR 63.11151, that is an area source of hazardous air pollutant (HAP) emissions.
- (j) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Secondary Copper Smelting Area Sources, Subpart FFFFF, are not included in the permit, since the source does not engage in secondary copper smelting as defined in 40 CFR 63.11158.
- (k) The requirements of the National Emission Standards for Hazardous Air Pollutants

(NESHAP) for Primary Nonferrous Metals Area Sources - Zinc, Cadmium, and Beryllium, Subpart GGGGGG, are not included in the permit, since this source is not a primary zinc production facility or primary beryllium production facility as defined in 40 CFR 63.11167. The source is a metal recycling facility.

- (l) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Secondary Nonferrous Metals Processing Area Sources, Subpart TTTTTT, are not included in the permit, since the source does not own or operate a secondary nonferrous metals processing facility as defined in 40 CFR 63.11472.
- (m) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) Area Source Standards for Nine Metal Fabrication and Finishing Source Categories, 40 CFR 63.11514, Subpart XXXXXX, are not included in the permit, since the source is not primarily engaged in the operations in one of the nine source categories listed in paragraphs (a)(1) through (9) of 40 CFR 63.11514.
- (n) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Area Sources: Ferroalloys Production Facilities, Subpart YYYYYY, are not included in the permit for the wire chopping system, because this facility does not operate a ferroalloys production facility as defined in 40 CFR 63.11524(a).
- (o) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Area Source Standards for Aluminum, Copper, and other Nonferrous Foundries, Subpart ZZZZZZ, are not included in the permit, since the source does not own or operate an aluminum foundry, copper foundry, or other nonferrous foundry as defined in §63.11556.
- (p) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included for this proposed amendment.

Compliance Assurance Monitoring (CAM)

- (q) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the potential to emit of the source is limited to less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

State Rule Applicability Determination

- (a) 326 IAC 2-8-4 (FESOP)
This amendment to an existing Title V minor stationary source will not change the minor status, because the potential to emit criteria pollutants from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP). See PTE of the Entire Source After Issuance of the FESOP Amendment Section above.
- (b) 326 IAC 2-2 (Prevention of Significant Deterioration (PSD))
This modification to an existing PSD minor stationary source will not change the PSD minor status, because the potential to emit of all attainment regulated pollutants from the entire source will continue to be less than the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply. See PTE of the Entire Source After Issuance of the FESOP Amendment Section above.
- (c) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The proposed amendment is not subject to the requirements of 326 IAC 2-4.1, since the unlimited potential to emit of HAPs from the new units are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs.

- (d) 326 IAC 2-6 (Emission Reporting)
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.
- (e) 326 IAC 5-1 (Opacity Limitations)
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
- (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- (f) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(b)(14), each of the emission units comprising the wire chopping system is not subject to this rule, because each unit has potential particulate emissions of less than five hundred fifty-one thousandths (0.551) pound per hour.
- (g) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The wire chopping process is not subject to the requirements of 326 IAC 8-1-6, since it has unlimited VOC potential emissions of less than twenty-five (25) tons per year.
- (h) 326 IAC 12 (New Source Performance Standards)
See Federal Rule Applicability Section of this TSD.
- (i) 326 IAC 20 (Hazardous Air Pollutants)
See Federal Rule Applicability Section of this TSD.

Compliance Determination, Monitoring and Testing Requirements

The existing compliance requirements will not change as a result of this amendment. The source shall continue to comply with the applicable requirements and permit conditions as contained in FESOP Renewal No: F003-31502-00283, issued on September 20, 2012.

Proposed Changes

The following changes listed below are due to the proposed amendment. Deleted language appears as ~~strike through~~ text and new language appears as **bold** text:

- (1) The new emission units have been added to section A.3 Insignificant Activities

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

This stationary source also includes the following insignificant activities:

- (a) One (1) metal alloy chip recycling system consisting of the following equipment:
- (1) One (1) crusher, with a nominal capacity of 25,000 pounds of metal per hour;
- (2) One (1) bin with a nominal capacity of 20 tons of metal turnings;

- (3) One (1) bin with a nominal capacity of 40 tons of crushed metal.

~~Particulate emissions from this unit are negligible.~~

- (b) **One (1) Wire Chopping System, permitted in 2014, with a nominal capacity of 3 tons per hour, using no control, exhausting within the building, and consisting of:**

- (1) **One (1) Wire Chopper, with a nominal throughput capacity of 3 tons per hour;**
- (2) **Two (2) Wire Choppers, with a nominal throughput capacity of 1.8 tons per hour, each;**
- (3) **Six (6) conveyor transfer points, with a nominal throughput capacity of 3 tons per hour, each;**
- (4) **Two (2) conveyor transfer points, with a nominal throughput capacity of 1.2 tons per hour, each;**
- (5) **Fifteen (15) conveyor transfer points, with a nominal throughput capacity of 1.8 tons per hour, each;**
- (6) **Eight (8) conveyor transfer points, with a nominal throughput capacity of 0.9 tons per hour, each;**
- (7) **Eight (8) conveyor transfer points, with a nominal throughput capacity of 0.45 tons per hour, each;**
- (8) **Eight (8) conveyor transfer points, with a nominal throughput capacity of 0.225 tons per hour, each;**
- (9) **Four (4) conveyor transfer points, with a nominal throughput capacity of 0.1125 tons per hour, each;**
- (10) **One (1) oscillator, with a nominal throughput capacity of 1.8 tons per hour;**
- (11) **One (1) oscillator, with a nominal throughput capacity of 0.225 tons per hour;**
- (12) **Two (2) magnet table/stands, with a nominal throughput capacity of 1.8 tons per hour, each;**
- (13) **Two (2) magnet table/stands, with a nominal throughput capacity of 0.45 tons per hour, each;**
- (14) **Two (2) gravity tables, with a nominal throughput capacity of 0.9 tons per hour, each;**
- (15) **One (1) mini Z-box, with a nominal throughput capacity of 3 tons per hour.**

- (bc) Unpaved Roads

...

Additional Changes

IDEM, OAQ made additional revisions or amendments to the permit as described below in order to update the language to match the most current version of the applicable rule, to eliminate redundancy within the permit, and to provide clarification regarding the requirements of these conditions.

- (1) IDEM is changing the Section C Compliance Monitoring Condition to clearly describe when new monitoring for new and existing units must begin.

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

(a) **For new units:**

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.

(b) **For existing units:**

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

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

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

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

...

- (2) IDEM clarified the following condition to indicate that the analog instrument must be capable of measuring the parameters outside the normal range.

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

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale. **The analog instrument shall be capable of measuring values outside of the normal range.**

...

- (3) IDEM added "where applicable" to the lists in Section C - General Record Keeping Requirements to more closely match the underlying rule.

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

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following,

where applicable:

- (AA) All calibration and maintenance records.
- (BB) All original strip chart recordings for continuous monitoring instrumentation.
- (CC) Copies of all reports required by the FESOP.

Records of required monitoring information include the following, **where applicable:**

- (AA) The date, place, as defined in this permit, and time of sampling or measurements.
- (BB) The dates analyses were performed.

...

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on October 3, 2014.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Tamera Wessel at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-8530 or toll free at 1-800-451-6027 extension 4-8530.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

**Appendix A : Emission Calculations
Emission Summary**

Company Name: OmniSource Corporation
Source Address: 2511 Taylor Street, Fort Wayne, IN 46802
Permit Number: 003-35001-00283
Reviewer: Tamera Wessel

Unlimited/Uncontrolled PTE (tons/yr)										
Emission Units	PM	PM10	PM2.5	SO2	NOx	VOC	CO	HAP	Worst Single HAP	
Non-Fugitive Emissions										
Grinders*	224.92	343.30	343.30	0.00	0.00	0.00	0.00	0.00	0.00	---
Air Tables	284.11	491.27	491.27	0.00	0.00	0.00	0.00	0.00	0.00	---
Metal Alloy Chip Recycling System**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---
Wire Chopping System	2.94	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	---
Total PTE (Non-Fugitive)	511.96	836.41	836.41	0.00	0.00	0.00	0.00	0.00	0.00	---
Fugitive Emissions										
Unpaved Roads	8.10	2.07	0.21	0.00	0.00	0.00	0.00	0.00	0.00	---
Total PTE (Fugitive)	8.10	2.07	0.21	0.00	0.00	0.00	0.00	0.00	0.00	---

Limited PTE (tons/yr)										
Emission Units	PM	PM10	PM2.5	SO2	NOx	VOC	CO	HAP	Worst Single HAP	
Non-Fugitive Emissions										
Grinders*	82.13	32.41	32.41	0.00	0.00	0.00	0.00	0.00	0.00	---
Air Tables	103.37	41.61	41.61	0.00	0.00	0.00	0.00	0.00	0.00	---
Metal Alloy Chip Recycling System**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---
Wire Chopping System	2.94	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	---
Total PTE (Non-Fugitive)	188.43	75.86	75.86	0.00	0.00	0.00	0.00	0.00	0.00	---
Fugitive Emissions										
Unpaved Roads	8.10	2.07	0.21	0.00	0.00	0.00	0.00	0.00	0.00	---
Total PTE (Fugitive)	8.10	2.07	0.21	0.00	0.00	0.00	0.00	0.00	0.00	---

*The grinders consist of two (2) primary grinders (PG-1 and PG-2) and four (4) secondary grinders (SG-1 through SG-4). SG-5 through SG-8 are used only as backup equipment, allowing the facility to alternate from one set of secondary grinders (SG-1 through SG-4) to another set of secondary grinders (SG-5 through SG-8). By design, electrical and downstream flow restrictions only allow for four secondary grinders and the five air tables (T-1 through T-5) to be operated at any one time. Thus, emission calculations for SG-5 through SG-8 are not accounted for in the calculations, because emissions are accounted for only four secondary grinders (SG-1 through SG-4).

**Emissions for the metal alloy chip recycling system were determined insignificant in permit number F003-8920-00283.

**Appendix A : Emission Calculations
Grinders and Air Tables**

Company Name: OmniSource Corporation
Source Address: 2511 Taylor Street, Fort Wayne, IN 46802
Permit Number: 003-35001-00283
Reviewer: Tamera Wessel

PM and PM10 Emission Rates from November 16, 2010 Compliant Stack Test

Operation	Control Devices	Stack ID	Average Process Throughput (lbs/hour)	Stack Test Controlled Emission Rate (lbs/hour)		Stack Test Controlled Emission Rate (lb/lb)	
				PM	PM10	PM	PM10
Six (6) Grinders*	Cyclone CY-2 and Baghouse C-1	B-2	18500	0.38	0.58	2.05E-05	3.14E-05
Five (5) Air Tables	Cyclone CY-1 and Baghouse M-1	B-1	18500	0.48	0.83	2.59E-05	4.49E-05

Controlled Potential to Emit (PTE) of PM, PM10, and PM2.5

Operation	Control Devices	Stack ID	Maximum Process Throughput (lbs/hour)	Controlled PTE (lbs/hour)			Controlled PTE (tons/year)		
				PM	PM10	PM2.5**	PM	PM10	PM2.5**
Six (6) Grinders*	Cyclone CY-2 and Baghouse C-1	B-2	25000	0.51	0.78	0.78	2.25	3.43	3.43
Five (5) Air Tables	Cyclone CY-1 and Baghouse M-1	B-1	25000	0.65	1.12	1.12	2.84	4.91	4.91

Uncontrolled Potential to Emit (PTE) of PM, PM10, and PM2.5

Operation	Control Devices	Stack ID	Control Efficiency	Uncontrolled PTE (lbs/hour)			Uncontrolled PTE (tons/year)		
				PM	PM10	PM2.5**	PM	PM10	PM2.5**
Six (6) Grinders*	Cyclone CY-2 and Baghouse C-1	B-2	99.0%	51.35	78.38	78.38	224.92	343.30	343.30
Five (5) Air Tables	Cyclone CY-1 and Baghouse M-1	B-1	99.0%	64.86	112.16	112.16	284.11	491.27	491.27

Limited Potential to Emit (PTE) of PM, PM10, and PM2.5

Operation	Control Devices	Stack ID	Limited PTE (lbs/hour)			Limited PTE (tons/year)		
			PM	PM10	PM2.5**	PM	PM10	PM2.5**
Six (6) Grinders*	Cyclone CY-2 and Baghouse C-1	B-2	18.75	7.40	7.40	82.13	32.41	32.41
Five (5) Air Tables	Cyclone CY-1 and Baghouse M-1	B-1	23.60	9.50	9.50	103.37	41.61	41.61
Total:			185.49	74.02	74.02			

Methodology

*The six (6) grinders consist of two (2) primary grinders (PG-1 and PG-2) and four (4) secondary grinders (SG-1 through SG-4). SG-5 through SG-8 are used only as backup equipment, allowing the facility to alternate from one set of secondary grinders (SG-1 through SG-4) to another set of secondary grinders (SG-5 through SG-8). By design, electrical and downstream flow restrictions only allow for four secondary grinders and the five air tables (T-1 through T-5) to be operated at any one time. Thus, emission calculations for SG-5 through SG-8 are not accounted for in the calculations, because emissions are accounted for only four secondary grinders (SG-1 through SG-4).

**PM2.5 emissions assumed equal to PM10 emissions

Stack Test Controlled Emission Rate (lb/lb) = [Stack Test Controlled Emission Rate (lbs/hour)] / [Average Process Throughput (lbs/hour)]

Controlled PTE (lbs/hour) = [Maximum Process Throughput (lbs/hour)] * [Stack Test Controlled Emission Rate (lb/lb)]

Controlled PTE (tons/year) = [Controlled PTE (lbs/hour)] * [8760 hour/year] * [ton/2000 lbs]

Uncontrolled PTE (lbs/hour) = [Controlled PTE (lbs/hour)] / [1 - Control Efficiency]

Uncontrolled PTE (tons/year) = [Controlled PTE (tons/year)] / [1 - Control Efficiency]

Limited PTE (lbs/hour) was requested by the Permittee in the FESOP Renewal application.

Limited PTE (tons/year) = [Limited PTE (lbs/hour)] * [8760 hour/year] * [ton/2000 lbs]

Appendix A: Emission Calculations
Wire Chopping System Uncontrolled Conveyor Transfer Points
PM, PM10, and PM2.5

Company Name: OmniSource Corporation
 Address: 2511 Taylor Street, Fort Wayne, IN 46802
 Permit Number: 003-35001-00283
 Reviewer: Tamera Wessel

Potential to Emit PM, PM10 and PM2.5

The following calculations determine the amount of emissions created by the Wire Chopping System.

Process Description	Number of Emission Points	Maximum Capacity (tons/hr)	PM Emission Factor (lbs/ton)	PTE of PM (lbs/hr)	PTE of PM (tons/year)	PM10 Emission Factor (lbs/ton)	PTE of PM10 (lbs/hr)	PTE of PM10 (tons/year)	PM2.5 Emission Factor (lbs/ton)	PTE of PM2.5 (lbs/hr)	PTE of PM2.5 (tons/year)
Wire Chopping System											
Chopper	1	3	0.0403	0.12	0.53	0.0403	0.12	0.53	0.0403	0.12	0.53
Chopper	2	1.8	0.0403	0.15	0.64	0.0403	0.15	0.64	0.0403	0.15	0.64
Transfer Points	6	3	0.0030	0.05	0.24	0.0011	0.02	0.09	0.0011	0.02	0.09
Transfer Points	2	1.2	0.0030	0.01	0.03	0.0011	0.00	0.01	0.0011	0.00	0.01
Transfer Points	15	1.8	0.0030	0.08	0.35	0.0011	0.03	0.13	0.0011	0.03	0.13
Transfer Points	8	0.9	0.0030	0.02	0.09	0.0011	0.01	0.03	0.0011	0.01	0.03
Transfer Points	8	0.45	0.0030	0.01	0.05	0.0011	0.00	0.02	0.0011	0.00	0.02
Transfer Points	8	0.225	0.0030	0.01	0.02	0.0011	0.00	0.01	0.0011	0.00	0.01
Transfer Points	4	0.1125	0.0030	0.00	0.01	0.0011	0.00	0.00	0.0011	0.00	0.00
Oscillator	1	1.8	0.0250	0.05	0.20	0.0087	0.02	0.07	0.0087	0.02	0.07
Oscillator	1	0.225	0.0250	0.01	0.02	0.0087	0.00	0.01	0.0087	0.00	0.01
Magnet Table/Stand	2	1.8	0.0250	0.09	0.39	0.0087	0.03	0.14	0.0087	0.03	0.14
Magnet Table/Stand	2	0.45	0.0250	0.02	0.10	0.0087	0.01	0.03	0.0087	0.01	0.03
Gravity Table	2	0.9	0.0250	0.05	0.20	0.0087	0.02	0.07	0.0087	0.02	0.07
Mini Z-box	1	3	0.0050	0.02	0.07	0.0050	0.02	0.07	0.0050	0.02	0.07
Wire Chopping System Totals:					2.94		1.84		1.84		1.84

Note:

To estimate potential PM/PM10/PM2.5 emissions from the oscillators, magnet table stands, and conveyor transfer points, AP-42 emission factors for Crushed Stone Processing Operation, Chapter 11.19.2, Table 11.19.2-2 (dated 8/04) are utilized. No emission factor is identified for PM2.5 for dry conveying, therefore it is assumed PM10 = PM2.5

The particulate emission factor for the wire choppers is from the Institute of Scrap Recycling Industries, Inc. "Title V Applicability Workbook" Appendix D, Table D-10.E. No emission factor is identified for PM10 or PM2.5 for shredding, therefore it is assumed PM = PM10 = PM2.5

The particulate emission factor for the gravity table is for crushed stone screening from AP-42, Chapter 11.19, Table 11.19.2-2 (8/04). It is assumed PM2.5=PM10

The mini Z-box emission factor from ISRI Title V Applicability Workbook Table D-11.A. This emission factor is expected to be very conservative, as it is based on a larger Z-box unit and significantly higher throughput than the proposed throughput capacity here. Assume PM=PM10=PM2.5

Methodology:

PTE of PM/PM10/PM2.5 (tons/year) = Number of Emission Points x Maximum Capacity (tons/hour) x Emission Factor (lbs/ton) x 8760 (hrs/year) x 1 ton/2000 lbs

Abbreviations

PM = Particulate Matter
 PM10 = Particulate Matter (<10 um)
 PM2.5 = Particulate Matter (<2.5 um)
 PTE = Potential to Emit

Appendix A: Emission Calculations
Fugitive Dust Emissions - Unpaved Roads

Company Name: OmniSource Corporation
Source Address: 2511 Taylor Street, Fort Wayne, IN 46802
Permit Number: 003-35001-00283
Reviewer: Tamera Wessel

Potential Scrap Metal Throughput = lbs/hour (wire reclamation system and metal alloy chip recycling system, combined)
 Potential Scrap Metal Throughput = tons/year

Unpaved Roads at Industrial Site

The following calculations determine the amount of emissions created by unpaved roads, based on 8,760 hours of use and AP-42, Ch 13.2.2 (11/2006).

Process	Vehicle Type	Maximum Weight of Vehicle (tons)	Maximum Weight of Load (tons)	Maximum Weight of Vehicle and Load (tons/trip)	Maximum trips per year (trip/yr)	Total Weight driven per year (ton/yr)	Maximum one-way distance (feet/trip)*	Maximum one-way distance (miles/trip)	Maximum one-way miles (miles/yr)
Scrap metal delivery truck entering site full	Dump truck (16 cubic yard capacity)	15.0	21.6	36.6	1.0E+04	3.7E+05	500	0.09	960.1
Scrap metal delivery truck leaving site empty	Dump truck (16 cubic yard capacity)	15.0	0.0	15.0	1.0E+04	1.5E+05	500	0.09	960.1
Scrap metal shipping truck entering site empty	Freight Truck (5 axles)	15.0	0.0	15.0	8.8E+03	1.3E+05	500	0.09	829.5
Scrap metal shipping truck leaving site full	Freight Truck (5 axles)	15.0	25.0	40.0	8.8E+03	3.5E+05	500	0.09	829.5
Total					37,798	1,004,967			3,579

Average Vehicle Weight Per Trip = tons/trip
 Average Miles Per Trip = miles/trip

Unmitigated Emission Factor, Ef = $k \cdot [(s/12)^a] \cdot [(W/3)^b]$ (Equation 1a from AP-42 13.2.2)

	PM	PM10	PM2.5	
where k =	4.9	1.5	0.15	lb/mi = particle size multiplier (AP-42 Table 13.2.2-2 for Industrial Roads)
s =	4.8	4.8	4.8	% = mean % silt content of unpaved roads (AP-42 Table 13.2.2-1 Sand/Gravel Processing Plant)
a =	0.7	0.9	0.9	= constant (AP-42 Table 13.2.2-2 for Industrial Roads)
W =	26.6	26.6	26.6	tons = average vehicle weight (provided by source)
b =	0.45	0.45	0.45	= constant (AP-42 Table 13.2.2-2 for Industrial Roads)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, Eext = $E \cdot [(365 - P)/365]$ (Equation 2 from AP-42 13.2.2)

Mitigated Emission Factor, Eext = $E \cdot [(365 - P)/365]$
 where P = days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1)

	PM	PM10	PM2.5	
Unmitigated Emission Factor, Ef =	6.89	1.76	0.18	lb/mile
Mitigated Emission Factor, Eext =	4.53	1.15	0.12	lb/mile

Process	Vehicle Type	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Unmitigated PTE of PM2.5 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)
Scrap metal delivery truck entering site full	Dump truck (16 cubic yard capacity)	3.31	0.84	0.08	2.17	0.55	0.06
Scrap metal delivery truck leaving site empty	Dump truck (16 cubic yard capacity)	3.31	0.84	0.08	2.17	0.55	0.06
Scrap metal shipping truck entering site empty	Freight Truck (5 axles)	2.86	0.73	0.07	1.88	0.48	0.05
Scrap metal shipping truck leaving site full	Freight Truck (5 axles)	2.86	0.73	0.07	1.88	0.48	0.05
Total		12.33	3.14	0.31	8.10	2.07	0.21

Methodology

Total Weight driven per day (ton/day) = [Maximum Weight Loaded (tons/trip)] * [Maximum trips per day (trip/day)]
 Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip)] / [5280 ft/mile]
 Maximum one-way miles (miles/day) = [Maximum trips per year (trip/day)] * [Maximum one-way distance (mi/trip)]
 Average Vehicle Weight Per Trip (ton/trip) = SUM[Total Weight driven per day (ton/day)] / SUM[Maximum trips per day (trip/day)]
 Average Miles Per Trip (miles/trip) = SUM[Maximum one-way miles (miles/day)] / SUM[Maximum trips per year (trip/day)]
 Unmitigated PTE (tons/yr) = (Maximum one-way miles (miles/yr)) * (Unmitigated Emission Factor (lb/mile)) * (ton/2000 lbs)
 Mitigated PTE (tons/yr) = (Maximum one-way miles (miles/yr)) * (Mitigated Emission Factor (lb/mile)) * (ton/2000 lbs)
 Controlled PTE (tons/yr) = (Mitigated PTE (tons/yr)) * (1 - Dust Control Efficiency)

Abbreviations

PM = Particulate Matter
 PM10 = Particulate Matter (<10 um)
 PM2.5 = Particulate Matter (<2.5 um)
 PTE = Potential to Emit



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204
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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

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

TO: Brian Winters
OmniSource Corporation
7575 W Jefferson Blvd
Fort Wayne, IN 46804

DATE: December 3, 2014

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

SUBJECT: Final Decision
Administrative Amendment
003-35001-00283

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

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

A copy of the final decision and supporting materials has also been sent via standard mail to:
Jaime K Saylor – Hatchett & Hauck
OAQ Permits Branch Interested Parties List

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

Final Applicant Cover letter.dot 6/13/2013

Mail Code 61-53

IDEM Staff	GHOTOPP 12/3/2014 OmniSource Corp 003-35001-00283 Final		Type of Mail: CERTIFICATE OF MAILING ONLY	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
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1		Brian Winters OmniSource Corp 7575 W Jefferson Blvd Ft Wayne IN 46804 (Source CAATS) via confirmed delivery										
2		Daniel & Sandy Trimmer 15021 Yellow River Road Columbia City IN 46725 (Affected Party)										
3		Duane & Deborah Clark Clark Farms 6973 E. 500 S. Columbia City IN 46725 (Affected Party)										
4		Fort Wayne City Council and Mayors Office 200 E Berry Street Ste 120 Fort Wayne IN 46802 (Local Official)										
5		Mr. Jeff Coburn Plumbers & Steamfitters, Local 166 2930 W Ludwig Rd Fort Wayne IN 46818-1328 (Affected Party)										
6		Allen Co. Board of Commissioners 200 E Berry Street Ste 410 Fort Wayne IN 46802 (Local Official)										
7		Fort Wayne-Allen County Health Department 200 E Berry St Suite 360 Fort Wayne IN 46802 (Health Department)										
8		Ms. Jaime K. Saylor Hatchett & Hauck 111 Monument Circle Ste. 301 Indianapolis IN 46204 (Consultant)										
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