



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

TO: Interested Parties / Applicant
DATE: March 7, 2014
RE: OmniSource Indianapolis / 097 - 33584 - 00580
FROM: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER.dot 6/13/13



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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

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

March 7, 2014

Re: 097-33584-00580
First Significant Revision to
F097-30042-00580

Dear Mr. Winters:

OmniSource Indianapolis, LLC was issued a Federally Enforceable State Operating Permit (FESOP) No. F097-30042-00580 on September 5, 2012 for a stationary scrap metal recycling plant located at 2205 South Holt Road, Indianapolis, Indiana 46241. On August 28, 2013, the Office of Air Quality (OAQ) received an application from the source requesting the following:

- 1. To revise the vehicle/metal shredder's VOC FESOP limit; and
2. To add the following insignificant activities:
(a) Fourteen (14) natural gas-fired infrared radiant tube space heaters including:

Table with 2 columns: Unit, Capacity. Row 1: 10 infrared radiant tube heaters, 0.935 MMBtu/hr (Combined). Row 2: 4 infrared radiant tube heaters, 0.80 MMBtu/hr (Combined).

- (b) A petroleum fuel other than a gasoline dispensing facility, having a storage tank capacity less than or equal to ten thousand five hundred (10,500) gallons and dispensing three thousand five hundred (3,500) gallons per day or less.
(c) A gasoline dispensing operation having a storage tank capacity equal to or less than ten thousand five hundred (10,500) gallons and dispensing less than or equal to one thousand three hundred (1,300) gallons per day. [Affected facility under NESHAP CCCCCC]
(d) Eight (8) portable generators. The five (5) gasoline generators (22, 22, 22, 20, 20 HP) and three (3) diesel generators (20, 20, 32.6 HP) are non-road engines. Therefore the potential to emit from these units have not been counted towards 326 IAC 2-7 or 326 IAC 2-2 applicability.

The attached Technical Support Document (TSD) provides additional explanation of the changes to the source/permit. Pursuant to the provisions of 326 IAC 2-8-11.1, these changes to the permit are required to be reviewed in accordance with the Significant Permit Revision (SPR) procedures of 326 IAC 2-8-11.1(f). Pursuant to the provisions of 326 IAC 2-8-11.1, a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document (TSD).

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the significant permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Attached please find the entire revised permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact James Mackenzie of my staff at 317-233-2641 or 1-800-451-6027, and ask for extension 3-2641.

Sincerely,



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

Attachments: Technical Support Document and revised permit

JRK/jwm

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



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Toll Free (800) 451-6027
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New Source Review and Federally Enforceable State Operating Permit OFFICE OF AIR QUALITY

**OmniSource Indianapolis, LLC
2205 South Holt Road
Indianapolis, Indiana 46241**

(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. This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-8-11.1, applicable to those conditions

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. F097-30042-00580	
Issued by: <i>Original Signed By:</i> Nathan C. Bell, Section Chief Permits Branch Office of Air Quality	Issuance Date: September 5, 2012 Expiration Date: September 5, 2017

First Administrative Amendment No. 097-32391-00580

Significant Permit Revision No. 097-33584-00580	
Issued by:  Jason R. Krawczyk, Section Chief Permits Branch Office of Air Quality	Issuance Date: March 7, 2014 Expiration Date: September 5, 2017

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Attachment A: 40 CFR 63, Subpart CCCCC - NESHAP for Source Category: Gasoline Dispensing Facilities

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 scrap metal recycling plant.

Source Address:	2205 South Holt Road, Indianapolis, Indiana 46241
General Source Phone Number:	(260) 423-8595
SIC Code:	5093 (Scrap and Waste Materials)
County Location:	Marion (Wayne Township)
Source Location Status:	Nonattainment for SO ₂ standard Attainment for all other 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) vehicle/metal shredder, identified as 001, constructed in 2006, with a nominal throughput capacity of 300 tons per hour, using an integral water injection system as fire/explosion suppression and particulate control, and exhausting to the ambient atmosphere.
- (b) One (1) Z-box/cyclone cleaning system for metal/fluff separation, identified as 002, constructed in 2006, with a nominal throughput capacity of 300 tons per hour, exhausting to stack/vent P002.
- (c) One (1) conveying system, identified as 003, constructed in 2006, with a nominal throughput capacity of 300 tons per hour, utilizing no control devices, exhausting to the ambient atmosphere, and consisting of:
 - (1) One (1) dry conveyor to the shredder; and
 - (2) Twelve (12) wet conveyors.

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) Eddy Current Process, with a nominal throughput capacity of 45 tons per hour, utilizing no control devices, and exhausting to the ambient atmosphere.
- (b) One (1) torch cutting operation, utilizing no control devices, exhausting to the ambient atmosphere, and consisting of:
 - (1) Four (4) oxypropane torch cutting stations.

- (c) Welding, consisting of:
 - (1) Three (3) metal inert gas (MIG) welding stations; and
 - (2) Four (4) stick welding stations.
- (d) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour (MMBtu/hr), including:
 - (1) Two (2) heaters with nominal heat input capacities of 0.30 MMBtu/hr, each;
 - (2) Four (4) heaters with nominal heat input capacities of 0.20 MMBtu/hr, each;
 - (3) Two (2) non-process water heaters with nominal heat input capacities of 0.076 MMBtu/hr, each; and
 - (4) Four (4) heaters with nominal heat input capacities of 0.10 MMBtu/hr, each.
- (e) The following VOC and/or HAP storage containers:
 - (1) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (f) The following activities each with potential uncontrolled emissions of equal to or less than one (1) pound per day of any regulated air pollutant:
 - (1) Hand-held drilling and grinding equipment.
 - (2) Electrical resistance welding.
 - (3) Air compressors and pneumatically operated equipment, including hand tools.
 - (4) Compressor or pump lubrication and seal oil systems.
 - (5) Handling of solid steel, including coils and slabs, excluding scrap burning, scarfing, and charging into steel making furnaces and vessels.
 - (6) Manual loading and unloading operations.
- (g) Paved roads and parking lots with public access.
- (h) Fourteen (14) natural gas-fired infrared radiant tube space heaters including:

Unit	Capacity
10 infrared radiant tube heaters	0.935 MMBtu/hr (Combined)
4 infrared radiant tube heaters	0.80 MMBtu/hr (Combined)
- (i) A petroleum fuel other than a gasoline dispensing facility, having a storage tank capacity less than or equal to ten thousand five hundred (10,500) gallons and dispensing three thousand five hundred (3,500) gallons per day or less.

- (j) A gasoline dispensing operation having a storage tank capacity equal to or less than ten thousand five hundred (10,500) gallons and dispensing less than or equal to one thousand three hundred (1,300) gallons per day. [Affected facility under NESHAP CCCCCC]
- (k) Eight (8) portable generators. The five (5) gasoline generators (22, 22, 22, 20, 20 HP) and three (3) diesel generators (20, 20, 32.6 HP) are non-road engines. Therefore the potential to emit from these units have not been counted towards 326 IAC 2-7 or 326 IAC 2-2 applicability.

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) for 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, F097-30042-00580, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, 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. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:

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

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the time frame specified in Section D, 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.

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.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 F097-30042-00580 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 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.2 Opacity [326 IAC 5-1]

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

- (a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

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

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

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

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

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

C.6 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.7 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.8 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.9 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

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

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

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

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(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.

C.10 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.11 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.12 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.13 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.14 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.15 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) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

C.16 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) vehicle/metal shredder, identified as 001, constructed in 2006, with a nominal throughput capacity of 300 tons per hour, using an integral water injection system as fire/explosion suppression and particulate control, and exhausting to the ambient atmosphere.
- (b) One (1) Z-box/cyclone cleaning system for metal/fluff separation, identified as 002, constructed in 2006, with a nominal throughput capacity of 300 tons per hour, exhausting to stack/vent P002.
- (c) One (1) conveying system, identified as 003, constructed in 2006, with a nominal throughput capacity of 300 tons per hour, utilizing no control devices, exhausting to the ambient atmosphere, and consisting of:
 - (1) One (1) dry conveyor to the shredder; and
 - (2) Twelve (12) wet conveyors.

Insignificant Activities

- (a) One (1) Eddy Current Process, with a nominal throughput capacity of 45 tons per hour, utilizing no control devices, and exhausting to the ambient atmosphere.
- (b) One (1) torch cutting operation, utilizing no control devices, exhausting to the ambient atmosphere, and consisting of:
 - (1) Four (4) oxypropane torch cutting stations.
- (c) Welding, consisting of:
 - (1) Three (3) metal inert gas (MIG) welding stations; and
 - (2) Four (4) stick welding stations.
- (h) Fourteen (14) natural gas-fired infrared radiant tube space heaters including:

Unit	Capacity
10 infrared radiant tube heaters	0.935 MMBtu/hr (Combined)
4 infrared radiant tube heaters	0.80 MMBtu/hr (Combined)

(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 Volatile Organic Compounds (VOC) BACT Limits [326 IAC 8-1-6]

Pursuant to 326 IAC 8-1-6, the Permittee shall comply with the following Best Available Control Technology (BACT) requirements:

- (a) VOC emissions from the vehicle/metal shredder (001) shall not exceed 88.75 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

- (b) The Permittee shall drain and remove, to the extent practicable, VOC and VHAP containing fluids from vehicles, appliances, industrial machinery, and other metal scrap received by the Permittee prior to shredding; or the Permittee shall document that inspections have been performed to confirm the non-existence of VOC and VHAP containing fluids. Fluids shall include, but are not limited to, gasoline, motor oil, antifreeze, transmission oil, and hydraulic fluid.

D.1.2 FESOP Limits [326 IAC 2-8-4][326 IAC 2-2][326 IAC 2-4.1]

Pursuant to 326 IAC 2-8-4 (FESOP) and in order to make the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants) not applicable, the Permittee shall comply with the following emission limits for the vehicle/metal shredder (001):

- (a) VOC emissions from the vehicle/metal shredder (001) shall not exceed 75.00 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (b) Toluene emissions from the vehicle/metal shredder (001) shall not exceed 7.40 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (c) Combined HAP emissions from the vehicle/metal shredder (001) shall not exceed 20.90 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these limits, combined with the potential to emit VOC and HAPs from all other emission units at this source, shall limit the source-wide total potential to emit VOC to less than one hundred (100) tons per twelve (12) consecutive month period, any single HAP to less than ten (10) tons per twelve (12) consecutive month period, and total HAPs to less than twenty-five (25) tons per twelve (12) consecutive month period and shall render 326 IAC 2-7 (Part 70 Permits), 326 IAC 2-2 (PSD), and 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants) not applicable.

D.1.3 Particulate Matter [326 IAC 6.5-1-2(a)]

- (a) Pursuant to 326 IAC 6.5-1-2(a), the particulate emissions from the vehicle/metal shredder (001), shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (dscf)).
- (b) Pursuant to 326 IAC 6.5-1-2(a), the particulate emissions from the Z-box/cyclone cleaning system for metal/fluff separation (002), shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (dscf)).
- (c) Pursuant to 326 IAC 6.5-1-2(a), the particulate emissions from the each of the conveyors comprising the conveying system (003), shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (dscf)).
- (d) Pursuant to 326 IAC 6.5-1-2(a), the particulate emissions from each of the conveyors comprising the eddy current process, shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (dscf)).
- (e) Pursuant to 326 IAC 6.5-1-2(a), the particulate emissions from each of the units comprising the torch cutting operation, shall not exceed seven-hundredths (0.07) gram

per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (dscf)).

- (f) Pursuant to 326 IAC 6.5-1-2(a), the particulate emissions from each of the welding units, shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (dscf)).
- (g) Pursuant to 326 IAC 6.5-1-2(a), the particulate emissions from each of the fourteen (14) infrared radiant tube space heaters, shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (dscf)) each.

D.1.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan is required for the vehicle/metal shredder, conveying system, Eddy Current Process, torch cutting, welding 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.1.5 Volatile Organic Compounds (VOCs)

In order to demonstrate compliance with Conditions D.1.1(a) and D.1.2(a), the Permittee shall determine VOC emissions from the vehicle/metal shredder (001) according to the following formula:

$$\text{VOC} = \frac{V(\text{EF}_V) + M(\text{EF}_M)}{2,000 \text{ lbs/ton}}$$

where:

- VOC = tons of VOC emissions per 12-month consecutive period
- V = tons of vehicles/automobiles processed per 12-month consecutive period
- M = tons of metal (non-vehicle) processed per 12-month consecutive period
- EF_V = 0.25 lb/ton emission factor for vehicle/automobile emissions
- EF_M = 0.14 lb/ton emission factor for metal (non-vehicle) emissions

D.1.6 Hazardous Air Pollutants (HAPs)

- (a) In order to demonstrate compliance with Condition D.1.2(b), the Permittee shall determine Toluene emissions from the vehicle/metal shredder (001) according to the following formula:

$$\text{Toluene} = \frac{V(\text{EF}_V) + M(\text{EF}_M)}{2,000 \text{ lbs/ton}}$$

where:

- Toluene = tons of Toluene emissions per 12-month consecutive period
- V = tons of vehicles/automobiles processed per 12-month consecutive period
- M = tons of metal (non-vehicle) processed per 12-month consecutive period
- EF_V = 0.0083 lb/ton emission factor for vehicle/automobile emissions
- EF_M = 0.00240 lb/ton emission factor for metal (non-vehicle) emissions

- (b) In order to demonstrate compliance with Condition D.1.2(c), the Permittee shall determine combined HAP emissions from the vehicle/metal shredder (001) according to the following formula:

$$\text{HAPs} = \frac{V(\text{EF}_V) + M(\text{EF}_M)}{2,000 \text{ lbs/ton}}$$

where:

- HAPs = tons of combined HAP emissions per 12-month consecutive period
V = tons of vehicles/automobiles processed per 12-month consecutive period
M = tons of metal (non-vehicle) processed per 12-month consecutive period
EF_V = 0.032 lb/ton emission factor for vehicle/automobile emissions
EF_M = 0.00927 lb/ton emission factor for metal (non-vehicle) emissions

D.1.7 Volatile Organic Compounds and Hazardous Air Pollutants

The Permittee shall drain and remove, to the extent practicable, VOC and VHAP containing fluids from vehicles, appliances, industrial machinery, and other metal scrap received by the Permittee prior to shredding; or the Permittee shall document that inspections have been performed to confirm the non-existence of VOC and VHAP containing fluids. Fluids shall include, but are not limited to, gasoline, motor oil, antifreeze, transmission oil, and hydraulic fluid.

D.1.8 Particulate Control

- (a) In order to ensure compliance with Condition D.1.3(a), the integral water injection system shall be in operation and control emissions from the vehicle/metal shredder (001) at all times that the vehicle/metal shredder (001) is in operation.
- (b) In order to ensure compliance with Condition D.1.3(b), the integral cyclone shall be in operation and control emissions from the Z-box/cyclone cleaning system for metal/fluff separation (002) at all times the Z-box/cyclone cleaning system for metal/fluff separation (002) is in operation.

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

D.1.9 Record Keeping Requirements

- (a) To document the compliance status with Conditions D.1.1, D.1.2, D.1.5, and D.1.6, the Permittee shall maintain records of:
- (1) The material throughput of vehicles/automobiles to 001 each month and each compliance period;
 - (2) The material throughput of metal (non-vehicle) to 001 each month and each compliance period;
 - (3) The VOC emissions calculated using the equation in Condition D.1.5 each month and each compliance period;
 - (4) The Toluene emissions calculated using the equation in Condition D.1.6(a) each month and each compliance period;
 - (5) The Combined HAP emissions calculated using the equation in Condition D.1.6(b) each month and each compliance period; and
 - (6) Records that VOC and VHAP containing fluids have been drained and removed to the extent practicable from vehicles, appliances, industrial machinery, and other scrap metal received by the Permittee prior to shredding; and
 - (7) If the Permittee did not drain and remove VOC and VHAP containing fluids on-site, records of the inspections performed to confirm the non-existence of VOC

and VHAP containing fluids in vehicles, appliances, industrial machinery, and other metal scrap received by the Permittee prior to shredding.

- (b) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.1.10 Reporting Requirements

Quarterly summaries of the information to document the compliance status with Conditions D.1.1(a), D.1.2(a), D.1.2(b), D.1.2(c), D.1.5, and D.1.6 shall be submitted using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The reports submitted by the Permittee 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).

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Insignificant Activities

- (j) A gasoline dispensing operation having a storage tank capacity equal to or less than ten thousand five hundred (10,500) gallons and dispensing less than or equal to one thousand three hundred (1,300) gallons per day. [Affected facility under NESHAP CCCCCC]

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

E.1.1 General Provisions Relating to NESHAP [326 IAC 20-1] [40 CFR Part 63, Subpart A]

The Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 20-1, except when otherwise specified in 40 CFR Part 63, Subpart CCCCCC (included as Attachment A of this permit).

E.1.2 NESHAP for Source category: Gasoline Dispensing Facilities [326 IAC 20] [40 CFR Part 63, Subpart CCCCCC]

The gasoline storage tank shall comply with the following provisions of 40 CFR Part 63, Subpart CCCCCC (included as Attachment A of this permit):

1. 40 CFR 63.11111(a), (b), (e);
2. 40 CFR 63.11112(a), (b);
3. 40 CFR 63.11113(a)(2);
4. 40 CFR 63.11115;
5. 40 CFR 63.11116;
6. 40 CFR 63.11125(d);
7. 40 CFR Table 3 to Subpart CCCCCC

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

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

Source Name: OmniSource Indianapolis, LLC
Source Address: 2205 South Holt Road, Indianapolis, Indiana 46241
FESOP Permit No.: F097-30042-00580

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 Indianapolis, LLC
Source Address: 2205 South Holt Road, Indianapolis, Indiana 46241
FESOP Permit No.: F097-30042-00580

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, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

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

FESOP Quarterly Report

Source Name: OmniSource Indianapolis, LLC
 Source Address: 2205 South Holt Road, Indianapolis, Indiana 46241
 FESOP Permit No.: F097-30042-00580
 Facility: Vehicle/Metal Shredder 001
 Parameter: VOC Emissions
 Limit: VOC emissions from the vehicle/metal shredder (001) shall not exceed 75.00 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Note: Demonstration of compliance with the FESOP VOC emission limitation of 75.00 tons per twelve (12) consecutive month period from the vehicle/metal shredder shall also demonstrate compliance with the VOC BACT limit of 88.75 tons per twelve (12) consecutive month period for vehicle/metal shredder.

The Permittee shall determine VOC emissions from the vehicle/metal shredder (001) according to the following formula:

$$\text{VOC} = \frac{V(\text{EF}_V) + M(\text{EF}_M)}{2,000 \text{ lbs/ton}}$$

where: VOC = tons of VOC emissions per 12-month consecutive period
 V = tons of vehicles/automobiles processed per 12-month consecutive period
 M = tons of metal (non-vehicle) processed per 12-month consecutive period
 EF_V = 0.25 lb/ton emission factor for vehicle/automobile emissions
 EF_M = 0.14 lb/ton emission factor for metal (non-vehicle) emissions

QUARTER: _____ YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	VOC Emissions (tons)	VOC Emissions (tons)	VOC Emissions (tons)
	This Month	Previous 11 Months	12 Month Total

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

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

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

FESOP Quarterly Report

Source Name: OmniSource Indianapolis, LLC
 Source Address: 2205 South Holt Road, Indianapolis, Indiana 46241
 FESOP Permit No.: F097-30042-00580
 Facility: Vehicle/Metal Shredder 001
 Parameter: Toluene Emissions
 Limit: Toluene emissions from the vehicle/metal shredder (001) shall not exceed 7.40 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

The Permittee shall determine Toluene emissions from the vehicle/metal shredder (001) according to the following formula:

$$\text{Toluene} = \frac{V(EF_V) + M(EF_M)}{2,000 \text{ lbs/ton}}$$

where: Toluene = tons of Toluene emissions per 12-month consecutive period
 V = tons of vehicles/automobiles processed per 12-month consecutive period
 M = tons of metal (non-vehicle) processed per 12-month consecutive period
 EF_V = 0.0083 lb/ton emission factor for vehicle/automobile emissions
 EF_M = 0.00240 lb/ton emission factor for metal (non-vehicle) emissions

QUARTER: _____ YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Toluene Emissions (tons)	Toluene Emissions (tons)	Toluene Emissions (tons)
	This Month	Previous 11 Months	12 Month Total

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

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

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

FESOP Quarterly Report

Source Name: OmniSource Indianapolis, LLC
 Source Address: 2205 South Holt Road, Indianapolis, Indiana 46241
 FESOP Permit No.: F097-30042-00580
 Facility: Vehicle/Metal Shredder 001
 Parameter: Combined HAP Emissions
 Limit: Combined HAP emissions from the vehicle/metal shredder (001) shall not exceed 20.90 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

The Permittee shall determine Combined HAP emissions from the vehicle/metal shredder (001) according to the following formula:

$$\text{HAPs} = \frac{V(\text{EF}_V) + M(\text{EF}_M)}{2,000 \text{ lbs/ton}}$$

where: HAPs = tons of combined HAP emissions per 12-month consecutive period
 V = tons of vehicles/automobiles processed per 12-month consecutive period
 M = tons of metal (non-vehicle) processed per 12-month consecutive period
 EF_V = 0.032 lb/ton emission factor for vehicle/automobile emissions
 EF_M = 0.00927 lb/ton emission factor for metal (non-vehicle) emissions

QUARTER: _____ YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Combined HAP Emissions (tons)	Combined HAP Emissions (tons)	Combined HAP Emissions (tons)
	This Month	Previous 11 Months	12 Month Total

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

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

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

Source Name: OmniSource Indianapolis, LLC
Source Address: 2205 South Holt Road, Indianapolis, Indiana 46241
FESOP Permit No.: F097-30042-00580

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: _____

Attachment A

OmniSource Indianapolis, LLC
2205 South Holt Road, Indianapolis, Indiana 46241

Title 40: Protection of Environment

PART 63—NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS

Subpart CCCCCC—National Emissions Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities

SOURCE: 73 FR 1945, Jan. 10, 2008, unless otherwise noted.

What This Subpart Covers

§ 63.11110 What is the purpose of this subpart?

This subpart establishes national emission limitations and management practices for hazardous air pollutants (HAP) emitted from the loading of gasoline storage tanks at gasoline dispensing facilities (GDF). This subpart also establishes requirements to demonstrate compliance with the emission limitations and management practices.

§ 63.11111 Am I subject to the requirements in this subpart?

(a) The affected source to which this subpart applies is each GDF that is located at an area source. The affected source includes each gasoline cargo tank during the delivery of product to a GDF and also includes each storage tank.

(b) If your GDF has a monthly throughput of less than 10,000 gallons of gasoline, you must comply with the requirements in § 63.11116.

(c) If your GDF has a monthly throughput of 10,000 gallons of gasoline or more, you must comply with the requirements in § 63.11117.

(d) If your GDF has a monthly throughput of 100,000 gallons of gasoline or more, you must comply with the requirements in § 63.11118.

(e) An affected source shall, upon request by the Administrator, demonstrate that their monthly throughput is less than the 10,000-gallon or the 100,000-gallon threshold level, as applicable. For new or reconstructed affected sources, as specified in § 63.11112(b) and (c), recordkeeping to document monthly throughput must begin upon startup of the affected source. For existing sources, as specified in § 63.11112(d), recordkeeping to document monthly throughput must begin on January 10, 2008. For existing sources that are subject to this subpart only because they load gasoline into fuel tanks other than those in motor vehicles, as defined in § 63.11132, recordkeeping to document monthly throughput must begin on January 24, 2011. Records required under this paragraph shall be kept for a period of 5 years.

(f) If you are an owner or operator of affected sources, as defined in paragraph (a) of this section, you are not required to obtain a permit under 40 CFR part 70 or 40 CFR part 71 as a result of being subject to this subpart. However, you must still apply for and obtain a permit under 40 CFR part 70 or 40 CFR part 71 if you meet one or more of the applicability criteria found in 40 CFR 70.3(a) and (b) or 40 CFR 71.3(a) and (b).

(g) The loading of aviation gasoline into storage tanks at airports, and the subsequent transfer of aviation gasoline within the airport, is not subject to this subpart.

(h) Monthly throughput is the total volume of gasoline loaded into, or dispensed from, all the gasoline storage tanks located at a single affected GDF. If an area source has two or more GDF at separate locations within the area source, each GDF is treated as a separate affected source.

(i) If your affected source's throughput ever exceeds an applicable throughput threshold, the affected source will remain subject to the requirements for sources above the threshold, even if the affected source throughput later falls below the applicable throughput threshold.

(j) The dispensing of gasoline from a fixed gasoline storage tank at a GDF into a portable gasoline tank for the on-site delivery and subsequent dispensing of the gasoline into the fuel tank of a motor vehicle or other gasoline-fueled engine or equipment used within the area source is only subject to § 63.11116 of this subpart.

(k) For any affected source subject to the provisions of this subpart and another Federal rule, you may elect to comply only with the more stringent provisions of the applicable subparts. You must consider all provisions of the rules, including monitoring, recordkeeping, and reporting. You must identify the affected source and provisions with which you will comply in your Notification of Compliance Status required under § 63.11124. You also must demonstrate in your Notification of Compliance Status that each provision with which you will comply is at least as stringent as the otherwise applicable requirements in this subpart. You are responsible for making accurate determinations concerning the more stringent provisions, and noncompliance with this rule is not excused if it is later determined that your determination was in error, and, as a result, you are violating this subpart. Compliance with this rule is your responsibility and the Notification of Compliance Status does not alter or affect that responsibility.

[73 FR 1945, Jan. 10, 2008, as amended at 76 FR 4181, Jan. 24, 2011]

§ 63.11112 What parts of my affected source does this subpart cover?

(a) The emission sources to which this subpart applies are gasoline storage tanks and associated equipment components in vapor or liquid gasoline service at new, reconstructed, or existing GDF that meet the criteria specified in § 63.11111. Pressure/Vacuum vents on gasoline storage tanks and the equipment necessary to unload product from cargo tanks into the storage tanks at GDF are covered emission sources. The equipment used for the refueling of motor vehicles is not covered by this subpart.

(b) An affected source is a new affected source if you commenced construction on the affected source after November 9, 2006, and you meet the applicability criteria in § 63.11111 at the time you commenced operation.

(c) An affected source is reconstructed if you meet the criteria for reconstruction as defined in § 63.2.

(d) An affected source is an existing affected source if it is not new or reconstructed.

§ 63.11113 When do I have to comply with this subpart?

(a) If you have a new or reconstructed affected source, you must comply with this subpart according to paragraphs (a)(1) and (2) of this section, except as specified in paragraph (d) of this section.

(1) If you start up your affected source before January 10, 2008, you must comply with the standards in this subpart no later than January 10, 2008.

(2) If you start up your affected source after January 10, 2008, you must comply with the standards in this subpart upon startup of your affected source.

(b) If you have an existing affected source, you must comply with the standards in this subpart no later than January 10, 2011.

(c) If you have an existing affected source that becomes subject to the control requirements in this subpart because of an increase in the monthly throughput, as specified in § 63.11111(c) or § 63.11111(d), you must comply with the standards in this subpart no later than 3 years after the affected source becomes subject to the control requirements in this subpart.

(d) If you have a new or reconstructed affected source and you are complying with Table 1 to this subpart, you must comply according to paragraphs (d)(1) and (2) of this section.

(1) If you start up your affected source from November 9, 2006 to September 23, 2008, you must comply no later than September 23, 2008.

(2) If you start up your affected source after September 23, 2008, you must comply upon startup of your affected source.

(e) The initial compliance demonstration test required under § 63.11120(a)(1) and (2) must be conducted as specified in paragraphs (e)(1) and (2) of this section.

(1) If you have a new or reconstructed affected source, you must conduct the initial compliance test upon installation of the complete vapor balance system.

(2) If you have an existing affected source, you must conduct the initial compliance test as specified in paragraphs (e)(2)(i) or (e)(2)(ii) of this section.

(i) For vapor balance systems installed on or before December 15, 2009, you must test no later than 180 days after the applicable compliance date specified in paragraphs (b) or (c) of this section.

(ii) For vapor balance systems installed after December 15, 2009, you must test upon installation of the complete vapor balance system.

(f) If your GDF is subject to the control requirements in this subpart only because it loads gasoline into fuel tanks other than those in motor vehicles, as defined in § 63.11132, you must comply with the standards in this subpart as specified in paragraphs (f)(1) or (f)(2) of this section.

(1) If your GDF is an existing facility, you must comply by January 24, 2014.

(2) If your GDF is a new or reconstructed facility, you must comply by the dates specified in paragraphs (f)(2)(i) and (ii) of this section.

(i) If you start up your GDF after December 15, 2009, but before January 24, 2011, you must comply no later than January 24, 2011.

(ii) If you start up your GDF after January 24, 2011, you must comply upon startup of your GDF.

[73 FR 1945, Jan. 10, 2008, as amended at 73 FR 35944, June 25, 2008; 76 FR 4181, Jan. 24, 2011]

Emission Limitations and Management Practices

§ 63.11115 What are my general duties to minimize emissions?

Each owner or operator of an affected source under this subpart must comply with the requirements of paragraphs (a) and (b) of this section.

(a) You must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

(b) You must keep applicable records and submit reports as specified in § 63.11125(d) and § 63.11126(b).

[76 FR 4182, Jan. 24, 2011]

§ 63.11116 Requirements for facilities with monthly throughput of less than 10,000 gallons of gasoline.

(a) You must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:

(1) Minimize gasoline spills;

(2) Clean up spills as expeditiously as practicable;

(3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;

(4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

(b) You are not required to submit notifications or reports as specified in § 63.11125, § 63.11126, or subpart A of this part, but you must have records available within 24 hours of a request by the Administrator to document your gasoline throughput.

(c) You must comply with the requirements of this subpart by the applicable dates specified in § 63.11113.

(d) Portable gasoline containers that meet the requirements of 40 CFR part 59, subpart F, are considered acceptable for compliance with paragraph (a)(3) of this section.

[73 FR 1945, Jan. 10, 2008, as amended at 76 FR 4182, Jan. 24, 2011]

§ 63.11117 Requirements for facilities with monthly throughput of 10,000 gallons of gasoline or more.

(a) You must comply with the requirements in section § 63.11116(a).

(b) Except as specified in paragraph (c) of this section, you must only load gasoline into storage tanks at your facility by utilizing submerged filling, as defined in § 63.11132, and as specified in paragraphs (b)(1), (b)(2), or (b)(3) of this section. The applicable distances in paragraphs (b)(1) and (2) shall be measured from the point in the opening of the submerged fill pipe that is the greatest distance from the bottom of the storage tank.

(1) Submerged fill pipes installed on or before November 9, 2006, must be no more than 12 inches from the bottom of the tank.

(2) Submerged fill pipes installed after November 9, 2006, must be no more than 6 inches from the bottom of the tank.

(3) Submerged fill pipes not meeting the specifications of paragraphs (b)(1) or (b)(2) of this section are allowed if the owner or operator can demonstrate that the liquid level in the tank is always above the entire opening of the fill pipe. Documentation providing such demonstration must be made available for inspection by the Administrator's delegated representative during the course of a site visit.

(c) Gasoline storage tanks with a capacity of less than 250 gallons are not required to comply with the submerged fill requirements in paragraph (b) of this section, but must comply only with all of the requirements in § 63.11116.

(d) You must have records available within 24 hours of a request by the Administrator to document your gasoline throughput.

(e) You must submit the applicable notifications as required under § 63.11124(a).

(f) You must comply with the requirements of this subpart by the applicable dates contained in § 63.11113.

[73 FR 1945, Jan. 10, 2008, as amended at 73 FR 12276, Mar. 7, 2008; 76 FR 4182, Jan. 24, 2011]

§ 63.11118 Requirements for facilities with monthly throughput of 100,000 gallons of gasoline or more.

(a) You must comply with the requirements in §§ 63.11116(a) and 63.11117(b).

(b) Except as provided in paragraph (c) of this section, you must meet the requirements in either paragraph (b)(1) or paragraph (b)(2) of this section.

(1) Each management practice in Table 1 to this subpart that applies to your GDF.

(2) If, prior to January 10, 2008, you satisfy the requirements in both paragraphs (b)(2)(i) and (ii) of this section, you will be deemed in compliance with this subsection.

(i) You operate a vapor balance system at your GDF that meets the requirements of either paragraph (b)(2)(i)(A) or paragraph (b)(2)(i)(B) of this section.

(A) Achieves emissions reduction of at least 90 percent.

(B) Operates using management practices at least as stringent as those in Table 1 to this subpart.

(ii) Your gasoline dispensing facility is in compliance with an enforceable State, local, or tribal rule or permit that contains requirements of either paragraph (b)(2)(i)(A) or paragraph (b)(2)(i)(B) of this section.

(c) The emission sources listed in paragraphs (c)(1) through (3) of this section are not required to comply with the control requirements in paragraph (b) of this section, but must comply with the requirements in § 63.11117.

(1) Gasoline storage tanks with a capacity of less than 250 gallons that are constructed after January 10, 2008.

(2) Gasoline storage tanks with a capacity of less than 2,000 gallons that were constructed before January 10, 2008.

(3) Gasoline storage tanks equipped with floating roofs, or the equivalent.

(d) Cargo tanks unloading at GDF must comply with the management practices in Table 2 to this subpart.

(e) You must comply with the applicable testing requirements contained in § 63.11120.

(f) You must submit the applicable notifications as required under § 63.11124.

(g) You must keep records and submit reports as specified in §§ 63.11125 and 63.11126.

(h) You must comply with the requirements of this subpart by the applicable dates contained in § 63.11113.

[73 FR 1945, Jan. 10, 2008, as amended at 73 FR 12276, Mar. 7, 2008]

Testing and Monitoring Requirements

§ 63.11120 What testing and monitoring requirements must I meet?

(a) Each owner or operator, at the time of installation, as specified in § 63.11113(e), of a vapor balance system required under § 63.11118(b)(1), and every 3 years thereafter, must comply with the requirements in paragraphs (a)(1) and (2) of this section.

(1) You must demonstrate compliance with the leak rate and cracking pressure requirements, specified in item 1(g) of Table 1 to this subpart, for pressure-vacuum vent valves installed on your gasoline storage tanks using the test methods identified in paragraph (a)(1)(i) or paragraph (a)(1)(ii) of this section.

(i) California Air Resources Board Vapor Recovery Test Procedure TP-201.1E,—Leak Rate and Cracking Pressure of Pressure/Vacuum Vent Valves, adopted October 8, 2003 (incorporated by reference, see § 63.14).

(ii) Use alternative test methods and procedures in accordance with the alternative test method requirements in § 63.7(f).

(2) You must demonstrate compliance with the static pressure performance requirement specified in item 1(h) of Table 1 to this subpart for your vapor balance system by conducting a static pressure test on

your gasoline storage tanks using the test methods identified in paragraphs (a)(2)(i), (a)(2)(ii), or (a)(2)(iii) of this section.

(i) California Air Resources Board Vapor Recovery Test Procedure TP-201.3,—Determination of 2-Inch WC Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities, adopted April 12, 1996, and amended March 17, 1999 (incorporated by reference, see § 63.14).

(ii) Use alternative test methods and procedures in accordance with the alternative test method requirements in § 63.7(f).

(iii) Bay Area Air Quality Management District Source Test Procedure ST-30—Static Pressure Integrity Test—Underground Storage Tanks, adopted November 30, 1983, and amended December 21, 1994 (incorporated by reference, see § 63.14).

(b) Each owner or operator choosing, under the provisions of § 63.6(g), to use a vapor balance system other than that described in Table 1 to this subpart must demonstrate to the Administrator or delegated authority under paragraph § 63.11131(a) of this subpart, the equivalency of their vapor balance system to that described in Table 1 to this subpart using the procedures specified in paragraphs (b)(1) through (3) of this section.

(1) You must demonstrate initial compliance by conducting an initial performance test on the vapor balance system to demonstrate that the vapor balance system achieves 95 percent reduction using the California Air Resources Board Vapor Recovery Test Procedure TP-201.1,—Volumetric Efficiency for Phase I Vapor Recovery Systems, adopted April 12, 1996, and amended February 1, 2001, and October 8, 2003, (incorporated by reference, see § 63.14).

(2) You must, during the initial performance test required under paragraph (b)(1) of this section, determine and document alternative acceptable values for the leak rate and cracking pressure requirements specified in item 1(g) of Table 1 to this subpart and for the static pressure performance requirement in item 1(h) of Table 1 to this subpart.

(3) You must comply with the testing requirements specified in paragraph (a) of this section.

(c) Conduct of performance tests. Performance tests conducted for this subpart shall be conducted under such conditions as the Administrator specifies to the owner or operator based on representative performance (i.e., performance based on normal operating conditions) of the affected source. Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests.

(d) Owners and operators of gasoline cargo tanks subject to the provisions of Table 2 to this subpart must conduct annual certification testing according to the vapor tightness testing requirements found in § 63.11092(f).

[73 FR 1945, Jan. 10, 2008, as amended at 76 FR 4182, Jan. 24, 2011]

Notifications, Records, and Reports

§ 63.11124 What notifications must I submit and when?

(a) Each owner or operator subject to the control requirements in § 63.11117 must comply with paragraphs (a)(1) through (3) of this section.

(1) You must submit an Initial Notification that you are subject to this subpart by May 9, 2008, or at the time you become subject to the control requirements in § 63.11117, unless you meet the requirements in paragraph (a)(3) of this section. If your affected source is subject to the control requirements in § 63.11117 only because it loads gasoline into fuel tanks other than those in motor vehicles, as defined in § 63.11132, you must submit the Initial Notification by May 24, 2011. The Initial Notification must contain the information specified in paragraphs (a)(1)(i) through (iii) of this section. The notification must be submitted to the applicable EPA Regional Office and delegated State authority as specified in § 63.13.

(i) The name and address of the owner and the operator.

(ii) The address (i.e., physical location) of the GDF.

(iii) A statement that the notification is being submitted in response to this subpart and identifying the requirements in paragraphs (a) through (c) of § 63.11117 that apply to you.

(2) You must submit a Notification of Compliance Status to the applicable EPA Regional Office and the delegated State authority, as specified in § 63.13, within 60 days of the applicable compliance date specified in § 63.11113, unless you meet the requirements in paragraph (a)(3) of this section. The Notification of Compliance Status must be signed by a responsible official who must certify its accuracy, must indicate whether the source has complied with the requirements of this subpart, and must indicate whether the facilities' monthly throughput is calculated based on the volume of gasoline loaded into all storage tanks or on the volume of gasoline dispensed from all storage tanks. If your facility is in compliance with the requirements of this subpart at the time the Initial Notification required under paragraph (a)(1) of this section is due, the Notification of Compliance Status may be submitted in lieu of the Initial Notification provided it contains the information required under paragraph (a)(1) of this section.

(3) If, prior to January 10, 2008, you are operating in compliance with an enforceable State, local, or tribal rule or permit that requires submerged fill as specified in § 63.11117(b), you are not required to submit an Initial Notification or a Notification of Compliance Status under paragraph (a)(1) or paragraph (a)(2) of this section.

(b) Each owner or operator subject to the control requirements in § 63.11118 must comply with paragraphs (b)(1) through (5) of this section.

(1) You must submit an Initial Notification that you are subject to this subpart by May 9, 2008, or at the time you become subject to the control requirements in § 63.11118. If your affected source is subject to the control requirements in § 63.11118 only because it loads gasoline into fuel tanks other than those in motor vehicles, as defined in § 63.11132, you must submit the Initial Notification by May 24, 2011. The Initial Notification must contain the information specified in paragraphs (b)(1)(i) through (iii) of this section. The notification must be submitted to the applicable EPA Regional Office and delegated State authority as specified in § 63.13.

(i) The name and address of the owner and the operator.

(ii) The address (i.e., physical location) of the GDF.

(iii) A statement that the notification is being submitted in response to this subpart and identifying the requirements in paragraphs (a) through (c) of § 63.11118 that apply to you.

(2) You must submit a Notification of Compliance Status to the applicable EPA Regional Office and the delegated State authority, as specified in § 63.13, in accordance with the schedule specified in § 63.9(h). The Notification of Compliance Status must be signed by a responsible official who must certify

its accuracy, must indicate whether the source has complied with the requirements of this subpart, and must indicate whether the facility's throughput is determined based on the volume of gasoline loaded into all storage tanks or on the volume of gasoline dispensed from all storage tanks. If your facility is in compliance with the requirements of this subpart at the time the Initial Notification required under paragraph (b)(1) of this section is due, the Notification of Compliance Status may be submitted in lieu of the Initial Notification provided it contains the information required under paragraph (b)(1) of this section.

(3) If, prior to January 10, 2008, you satisfy the requirements in both paragraphs (b)(3)(i) and (ii) of this section, you are not required to submit an Initial Notification or a Notification of Compliance Status under paragraph (b)(1) or paragraph (b)(2) of this subsection.

(i) You operate a vapor balance system at your gasoline dispensing facility that meets the requirements of either paragraphs (b)(3)(i)(A) or (b)(3)(i)(B) of this section.

(A) Achieves emissions reduction of at least 90 percent.

(B) Operates using management practices at least as stringent as those in Table 1 to this subpart.

(ii) Your gasoline dispensing facility is in compliance with an enforceable State, local, or tribal rule or permit that contains requirements of either paragraphs (b)(3)(i)(A) or (b)(3)(i)(B) of this section.

(4) You must submit a Notification of Performance Test, as specified in § 63.9(e), prior to initiating testing required by § 63.11120(a) and (b).

(5) You must submit additional notifications specified in § 63.9, as applicable.

[73 FR 1945, Jan. 10, 2008, as amended at 73 FR 12276, Mar. 7, 2008; 76 FR 4182, Jan. 24, 2011]

§ 63.11125 What are my recordkeeping requirements?

(a) Each owner or operator subject to the management practices in § 63.11118 must keep records of all tests performed under § 63.11120(a) and (b).

(b) Records required under paragraph (a) of this section shall be kept for a period of 5 years and shall be made available for inspection by the Administrator's delegated representatives during the course of a site visit.

(c) Each owner or operator of a gasoline cargo tank subject to the management practices in Table 2 to this subpart must keep records documenting vapor tightness testing for a period of 5 years. Documentation must include each of the items specified in § 63.11094(b)(2)(i) through (viii). Records of vapor tightness testing must be retained as specified in either paragraph (c)(1) or paragraph (c)(2) of this section.

(1) The owner or operator must keep all vapor tightness testing records with the cargo tank.

(2) As an alternative to keeping all records with the cargo tank, the owner or operator may comply with the requirements of paragraphs (c)(2)(i) and (ii) of this section.

(i) The owner or operator may keep records of only the most recent vapor tightness test with the cargo tank, and keep records for the previous 4 years at their office or another central location.

(ii) Vapor tightness testing records that are kept at a location other than with the cargo tank must be instantly available (e.g., via e-mail or facsimile) to the Administrator's delegated representative during the course of a site visit or within a mutually agreeable time frame. Such records must be an exact duplicate image of the original paper copy record with certifying signatures.

(d) Each owner or operator of an affected source under this subpart shall keep records as specified in paragraphs (d)(1) and (2) of this section.

(1) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(2) Records of actions taken during periods of malfunction to minimize emissions in accordance with § 63.1115(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

[73 FR 1945, Jan. 10, 2008, as amended at 76 FR 4183, Jan. 24, 2011]

§ 63.11126 What are my reporting requirements?

(a) Each owner or operator subject to the management practices in § 63.11118 shall report to the Administrator the results of all volumetric efficiency tests required under § 63.11120(b). Reports submitted under this paragraph must be submitted within 180 days of the completion of the performance testing.

(b) Each owner or operator of an affected source under this subpart shall report, by March 15 of each year, the number, duration, and a brief description of each type of malfunction which occurred during the previous calendar year and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with § 63.1115(a), including actions taken to correct a malfunction. No report is necessary for a calendar year in which no malfunctions occurred.

[76 FR 4183, Jan. 24, 2011]

Other Requirements and Information

§ 63.11130 What parts of the General Provisions apply to me?

Table 3 to this subpart shows which parts of the General Provisions apply to you.

§ 63.11131 Who implements and enforces this subpart?

(a) This subpart can be implemented and enforced by the U.S. EPA or a delegated authority such as the applicable State, local, or tribal agency. If the U.S. EPA Administrator has delegated authority to a State, local, or tribal agency, then that agency, in addition to the U.S. EPA, has the authority to implement and enforce this subpart. Contact the applicable U.S. EPA Regional Office to find out if implementation and enforcement of this subpart is delegated to a State, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under subpart E of this part, the authorities contained in paragraph (c) of this section are retained by the Administrator of U.S. EPA and cannot be transferred to the State, local, or tribal agency.

(c) The authorities that cannot be delegated to State, local, or tribal agencies are as specified in paragraphs (c)(1) through (3) of this section.

(1) Approval of alternatives to the requirements in §§ 63.11116 through 63.11118 and 63.11120.

(2) Approval of major alternatives to test methods under § 63.7(e)(2)(ii) and (f), as defined in § 63.90, and as required in this subpart.

(3) Approval of major alternatives to recordkeeping and reporting under § 63.10(f), as defined in § 63.90, and as required in this subpart.

§ 63.11132 What definitions apply to this subpart?

As used in this subpart, all terms not defined herein shall have the meaning given them in the Clean Air Act (CAA), or in subparts A and BBBBBB of this part. For purposes of this subpart, definitions in this section supersede definitions in other parts or subparts.

Dual-point vapor balance system means a type of vapor balance system in which the storage tank is equipped with an entry port for a gasoline fill pipe and a separate exit port for a vapor connection.

Gasoline means any petroleum distillate or petroleum distillate/alcohol blend having a Reid vapor pressure of 27.6 kilopascals or greater, which is used as a fuel for internal combustion engines.

Gasoline cargo tank means a delivery tank truck or railcar which is loading or unloading gasoline, or which has loaded or unloaded gasoline on the immediately previous load.

Gasoline dispensing facility (GDF) means any stationary facility which dispenses gasoline into the fuel tank of a motor vehicle, motor vehicle engine, nonroad vehicle, or nonroad engine, including a nonroad vehicle or nonroad engine used solely for competition. These facilities include, but are not limited to, facilities that dispense gasoline into on- and off-road, street, or highway motor vehicles, lawn equipment, boats, test engines, landscaping equipment, generators, pumps, and other gasoline-fueled engines and equipment.

Monthly throughput means the total volume of gasoline that is loaded into, or dispensed from, all gasoline storage tanks at each GDF during a month. Monthly throughput is calculated by summing the volume of gasoline loaded into, or dispensed from, all gasoline storage tanks at each GDF during the current day, plus the total volume of gasoline loaded into, or dispensed from, all gasoline storage tanks at each GDF during the previous 364 days, and then dividing that sum by 12.

Motor vehicle means any self-propelled vehicle designed for transporting persons or property on a street or highway.

Nonroad engine means an internal combustion engine (including the fuel system) that is not used in a motor vehicle or a vehicle used solely for competition, or that is not subject to standards promulgated under section 7411 of this title or section 7521 of this title.

Nonroad vehicle means a vehicle that is powered by a nonroad engine, and that is not a motor vehicle or a vehicle used solely for competition.

Submerged filling means, for the purposes of this subpart, the filling of a gasoline storage tank through a submerged fill pipe whose discharge is no more than the applicable distance specified in § 63.11117(b) from the bottom of the tank. Bottom filling of gasoline storage tanks is included in this definition.

Vapor balance system means a combination of pipes and hoses that create a closed system between the vapor spaces of an unloading gasoline cargo tank and a receiving storage tank such that vapors displaced from the storage tank are transferred to the gasoline cargo tank being unloaded.

Vapor-tight means equipment that allows no loss of vapors. Compliance with vapor-tight requirements can be determined by checking to ensure that the concentration at a potential leak source is not equal to or greater than 100 percent of the Lower Explosive Limit when measured with a combustible gas detector, calibrated with propane, at a distance of 1 inch from the source.

Vapor-tight gasoline cargo tank means a gasoline cargo tank which has demonstrated within the 12 preceding months that it meets the annual certification test requirements in § 63.11092(f) of this part.

[73 FR 1945, Jan. 10, 2008, as amended at 76 FR 4183, Jan. 24, 2011]

Table 1 to Subpart CCCCCC of Part 63—Applicability Criteria and Management Practices for Gasoline Dispensing Facilities With Monthly Throughput of 100,000 Gallons of Gasoline or More¹

If you own or operate	Then you must
1. A new, reconstructed, or existing GDF subject to § 63.11118	Install and operate a vapor balance system on your gasoline storage tanks that meets the design criteria in paragraphs (a) through (h).
	(a) All vapor connections and lines on the storage tank shall be equipped with closures that seal upon disconnect.
	(b) The vapor line from the gasoline storage tank to the gasoline cargo tank shall be vapor-tight, as defined in § 63.11132.
	(c) The vapor balance system shall be designed such that the pressure in the tank truck does not exceed 18 inches water pressure or 5.9 inches water vacuum during product transfer.
	(d) The vapor recovery and product adaptors, and the method of connection with the delivery elbow, shall be designed so as to prevent the over-tightening or loosening of fittings during normal delivery operations.
	(e) If a gauge well separate from the fill tube is used, it shall be provided with a submerged drop tube that extends the same distance from the bottom of the storage tank as specified in § 63.11117(b).
	(f) Liquid fill connections for all systems shall be equipped with vapor-tight caps.
	(g) Pressure/vacuum (PV) vent valves shall be installed on the storage tank vent pipes. The pressure specifications for PV vent valves shall be: a positive pressure setting of 2.5 to 6.0 inches of water and a negative pressure setting of 6.0 to 10.0 inches of water. The total leak rate of all PV vent valves at an affected facility, including connections, shall not exceed 0.17 cubic foot per hour at a pressure of 2.0 inches of water and 0.63 cubic foot per hour at a vacuum of 4 inches of water.
	(h) The vapor balance system shall be capable of meeting the static pressure performance requirement of the following equation:
	$P_f = 2e^{-500.887/v}$
	Where:

	Pf = Minimum allowable final pressure, inches of water.
	v = Total ullage affected by the test, gallons.
	e = Dimensionless constant equal to approximately 2.718.
	2 = The initial pressure, inches water.
2. A new or reconstructed GDF, or any storage tank(s) constructed after November 9, 2006, at an existing affected facility subject to § 63.11118	Equip your gasoline storage tanks with a dual-point vapor balance system, as defined in § 63.11132, and comply with the requirements of item 1 in this Table.

¹ The management practices specified in this Table are not applicable if you are complying with the requirements in § 63.11118(b)(2), except that if you are complying with the requirements in § 63.11118(b)(2)(i)(B), you must operate using management practices at least as stringent as those listed in this Table.

[73 FR 1945, Jan. 10, 2008, as amended at 73 FR 35944, June 25, 2008; 76 FR 4184, Jan. 24, 2011]

Table 2 to Subpart CCCCCC of Part 63—Applicability Criteria and Management Practices for Gasoline Cargo Tanks Unloading at Gasoline Dispensing Facilities With Monthly Throughput of 100,000 Gallons of Gasoline or More

If you own or operate	Then you must
A gasoline cargo tank	Not unload gasoline into a storage tank at a GDF subject to the control requirements in this subpart unless the following conditions are met:
	(i) All hoses in the vapor balance system are properly connected,
	(ii) The adapters or couplers that attach to the vapor line on the storage tank have closures that seal upon disconnect,
	(iii) All vapor return hoses, couplers, and adapters used in the gasoline delivery are vapor-tight,
	(iv) All tank truck vapor return equipment is compatible in size and forms a vapor-tight connection with the vapor balance equipment on the GDF storage tank, and
	(v) All hatches on the tank truck are closed and securely fastened.
	(vi) The filling of storage tanks at GDF shall be limited to unloading from vapor-tight gasoline cargo tanks. Documentation that the cargo tank has met the specifications of EPA Method 27 shall be carried with the cargo tank, as specified in § 63.11125(c).

[73 FR 1945, Jan. 10, 2008, as amended at 76 FR 4184, Jan. 24, 2011]

Table 3 to Subpart CCCCCC of Part 63—Applicability of General Provisions

Citation	Subject	Brief description	Applies to subpart CCCCCC
§ 63.1	Applicability	Initial applicability determination; applicability after standard established; permit requirements;	Yes, specific requirements given in § 63.11111.

		extensions, notifications	
§ 63.1(c)(2)	Title V Permit	Requirements for obtaining a title V permit from the applicable permitting authority	Yes, § 63.11111(f) of subpart CCCCCC exempts identified area sources from the obligation to obtain title V operating permits.
§ 63.2	Definitions	Definitions for part 63 standards	Yes, additional definitions in § 63.11132.
§ 63.3	Units and Abbreviations	Units and abbreviations for part 63 standards	Yes.
§ 63.4	Prohibited Activities and Circumvention	Prohibited activities; Circumvention, severability	Yes.
§ 63.5	Construction/Reconstruction	Applicability; applications; approvals	Yes, except that these notifications are not required for facilities subject to § 63.11116
§ 63.6(a)	Compliance with Standards/Operation & Maintenance—Applicability	General Provisions apply unless compliance extension; General Provisions apply to area sources that become major	Yes.
§ 63.6(b)(1)-(4)	Compliance Dates for New and Reconstructed Sources	Standards apply at effective date; 3 years after effective date; upon startup; 10 years after construction or reconstruction commences for CAA section 112(f)	Yes.
§ 63.6(b)(5)	Notification	Must notify if commenced construction or reconstruction after proposal	Yes.
§ 63.6(b)(6)	[Reserved]		
§ 63.6(b)(7)	Compliance Dates for New and Reconstructed Area Sources That Become Major	Area sources that become major must comply with major source standards immediately upon becoming major, regardless of whether required to comply when they were an area source	No.
§ 63.6(c)(1)-(2)	Compliance Dates for Existing Sources	Comply according to date in this subpart, which must be no later than 3 years after effective date; for CAA section 112(f) standards, comply within 90 days of effective date unless compliance extension	No, § 63.11113 specifies the compliance dates.
§ 63.6(c)(3)-(4)	[Reserved]		
§ 63.6(c)(5)	Compliance Dates for	Area sources That become major	No.

	Existing Area Sources That Become Major	must comply with major source standards by date indicated in this subpart or by equivalent time period (e.g., 3 years)	
§ 63.6(d)	[Reserved]		
63.6(e)(1)(i)	General duty to minimize emissions	Operate to minimize emissions at all times; information Administrator will use to determine if operation and maintenance requirements were met.	No. See § 63.11115 for general duty requirement.
63.6(e)(1)(ii)	Requirement to correct malfunctions ASAP	Owner or operator must correct malfunctions as soon as possible.	No.
§ 63.6(e)(2)	[Reserved]		
§ 63.6(e)(3)	Startup, Shutdown, and Malfunction (SSM) Plan	Requirement for SSM plan; content of SSM plan; actions during SSM	No.
§ 63.6(f)(1)	Compliance Except During SSM	You must comply with emission standards at all times except during SSM	No.
§ 63.6(f)(2)-(3)	Methods for Determining Compliance	Compliance based on performance test, operation and maintenance plans, records, inspection	Yes.
§ 63.6(g)(1)-(3)	Alternative Standard	Procedures for getting an alternative standard	Yes.
§ 63.6(h)(1)	Compliance with Opacity/Visible Emission (VE) Standards	You must comply with opacity/VE standards at all times except during SSM	No.
§ 63.6(h)(2)(i)	Determining Compliance with Opacity/VE Standards	If standard does not State test method, use EPA Method 9 for opacity in appendix A of part 60 of this chapter and EPA Method 22 for VE in appendix A of part 60 of this chapter	No.
§ 63.6(h)(2)(ii)	[Reserved]		
§ 63.6(h)(2)(iii)	Using Previous Tests To Demonstrate Compliance With Opacity/VE Standards	Criteria for when previous opacity/VE testing can be used to show compliance with this subpart	No.
§ 63.6(h)(3)	[Reserved]		
§ 63.6(h)(4)	Notification of Opacity/VE Observation Date	Must notify Administrator of anticipated date of observation	No.
§ 63.6(h)(5)(i), (iii)-(v)	Conducting Opacity/VE Observations	Dates and schedule for conducting opacity/VE	No.

		observations	
§ 63.6(h)(5)(ii)	Opacity Test Duration and Averaging Times	Must have at least 3 hours of observation with 30 6-minute averages	No.
§ 63.6(h)(6)	Records of Conditions During Opacity/VE Observations	Must keep records available and allow Administrator to inspect	No.
§ 63.6(h)(7)(i)	Report Continuous Opacity Monitoring System (COMS) Monitoring Data From Performance Test	Must submit COMS data with other performance test data	No.
§ 63.6(h)(7)(ii)	Using COMS Instead of EPA Method 9	Can submit COMS data instead of EPA Method 9 results even if rule requires EPA Method 9 in appendix A of part 60 of this chapter, but must notify Administrator before performance test	No.
§ 63.6(h)(7)(iii)	Averaging Time for COMS During Performance Test	To determine compliance, must reduce COMS data to 6-minute averages	No.
§ 63.6(h)(7)(iv)	COMS Requirements	Owner/operator must demonstrate that COMS performance evaluations are conducted according to § 63.8(e); COMS are properly maintained and operated according to § 63.8(c) and data quality as § 63.8(d)	No.
§ 63.6(h)(7)(v)	Determining Compliance with Opacity/VE Standards	COMS is probable but not conclusive evidence of compliance with opacity standard, even if EPA Method 9 observation shows otherwise. Requirements for COMS to be probable evidence-proper maintenance, meeting Performance Specification 1 in appendix B of part 60 of this chapter, and data have not been altered	No.
§ 63.6(h)(8)	Determining Compliance with Opacity/VE Standards	Administrator will use all COMS, EPA Method 9 (in appendix A of part 60 of this chapter), and EPA Method 22 (in appendix A of part 60 of this chapter) results, as well as information about operation and maintenance to determine compliance	No.
§ 63.6(h)(9)	Adjusted Opacity Standard	Procedures for Administrator to	No.

		adjust an opacity standard	
§ 63.6(i)(1)-(14)	Compliance Extension	Procedures and criteria for Administrator to grant compliance extension	Yes.
§ 63.6(j)	Presidential Compliance Exemption	President may exempt any source from requirement to comply with this subpart	Yes.
§ 63.7(a)(2)	Performance Test Dates	Dates for conducting initial performance testing; must conduct 180 days after compliance date	Yes.
§ 63.7(a)(3)	CAA Section 114 Authority	Administrator may require a performance test under CAA section 114 at any time	Yes.
§ 63.7(b)(1)	Notification of Performance Test	Must notify Administrator 60 days before the test	Yes.
§ 63.7(b)(2)	Notification of Re-scheduling	If have to reschedule performance test, must notify Administrator of rescheduled date as soon as practicable and without delay	Yes.
§ 63.7(c)	Quality Assurance (QA)/Test Plan	Requirement to submit site-specific test plan 60 days before the test or on date Administrator agrees with; test plan approval procedures; performance audit requirements; internal and external QA procedures for testing	Yes.
§ 63.7(d)	Testing Facilities	Requirements for testing facilities	Yes.
63.7(e)(1)	Conditions for Conducting Performance Tests	Performance test must be conducted under representative conditions	No, § 63.11120(c) specifies conditions for conducting performance tests.
§ 63.7(e)(2)	Conditions for Conducting Performance Tests	Must conduct according to this subpart and EPA test methods unless Administrator approves alternative	Yes.
§ 63.7(e)(3)	Test Run Duration	Must have three test runs of at least 1 hour each; compliance is based on arithmetic mean of three runs; conditions when data from an additional test run can be used	Yes.
§ 63.7(f)	Alternative Test Method	Procedures by which Administrator can grant approval to use an intermediate or major	Yes.

		change, or alternative to a test method	
§ 63.7(g)	Performance Test Data Analysis	Must include raw data in performance test report; must submit performance test data 60 days after end of test with the Notification of Compliance Status; keep data for 5 years	Yes.
§ 63.7(h)	Waiver of Tests	Procedures for Administrator to waive performance test	Yes.
§ 63.8(a)(1)	Applicability of Monitoring Requirements	Subject to all monitoring requirements in standard	Yes.
§ 63.8(a)(2)	Performance Specifications	Performance Specifications in appendix B of 40 CFR part 60 apply	Yes.
§ 63.8(a)(3)	[Reserved]		
§ 63.8(a)(4)	Monitoring of Flares	Monitoring requirements for flares in § 63.11 apply	Yes.
§ 63.8(b)(1)	Monitoring	Must conduct monitoring according to standard unless Administrator approves alternative	Yes.
§ 63.8(b)(2)-(3)	Multiple Effluents and Multiple Monitoring Systems	Specific requirements for installing monitoring systems; must install on each affected source or after combined with another affected source before it is released to the atmosphere provided the monitoring is sufficient to demonstrate compliance with the standard; if more than one monitoring system on an emission point, must report all monitoring system results, unless one monitoring system is a backup	No.
§ 63.8(c)(1)	Monitoring System Operation and Maintenance	Maintain monitoring system in a manner consistent with good air pollution control practices	No.
§ 63.8(c)(1)(i)-(iii)	Operation and Maintenance of Continuous Monitoring Systems (CMS)	Must maintain and operate each CMS as specified in § 63.6(e)(1); must keep parts for routine repairs readily available; must develop a written SSM plan for CMS, as specified in § 63.6(e)(3)	No.
§ 63.8(c)(2)-(8)	CMS Requirements	Must install to get representative emission or parameter measurements; must verify	No.

		operational status before or at performance test	
§ 63.8(d)	CMS Quality Control	Requirements for CMS quality control, including calibration, etc.; must keep quality control plan on record for 5 years; keep old versions for 5 years after revisions	No.
§ 63.8(e)	CMS Performance Evaluation	Notification, performance evaluation test plan, reports	No.
§ 63.8(f)(1)-(5)	Alternative Monitoring Method	Procedures for Administrator to approve alternative monitoring	No.
§ 63.8(f)(6)	Alternative to Relative Accuracy Test	Procedures for Administrator to approve alternative relative accuracy tests for continuous emissions monitoring system (CEMS)	No.
§ 63.8(g)	Data Reduction	COMS 6-minute averages calculated over at least 36 evenly spaced data points; CEMS 1 hour averages computed over at least 4 equally spaced data points; data that cannot be used in average	No.
§ 63.9(a)	Notification Requirements	Applicability and State delegation	Yes.
§ 63.9(b)(1)-(2), (4)-(5)	Initial Notifications	Submit notification within 120 days after effective date; notification of intent to construct/reconstruct, notification of commencement of construction/reconstruction, notification of startup; contents of each	Yes.
§ 63.9(c)	Request for Compliance Extension	Can request if cannot comply by date or if installed best available control technology or lowest achievable emission rate	Yes.
§ 63.9(d)	Notification of Special Compliance Requirements for New Sources	For sources that commence construction between proposal and promulgation and want to comply 3 years after effective date	Yes.
§ 63.9(e)	Notification of Performance Test	Notify Administrator 60 days prior	Yes.
§ 63.9(f)	Notification of VE/Opacity Test	Notify Administrator 30 days prior	No.
§ 63.9(g)	Additional Notifications when	Notification of performance	Yes, however, there

	Using CMS	evaluation; notification about use of COMS data; notification that exceeded criterion for relative accuracy alternative	are no opacity standards.
§ 63.9(h)(1)-(6)	Notification of Compliance Status	Contents due 60 days after end of performance test or other compliance demonstration, except for opacity/VE, which are due 30 days after; when to submit to Federal vs. State authority	Yes, however, there are no opacity standards.
§ 63.9(i)	Adjustment of Submittal Deadlines	Procedures for Administrator to approve change when notifications must be submitted	Yes.
§ 63.9(j)	Change in Previous Information	Must submit within 15 days after the change	Yes.
§ 63.10(a)	Recordkeeping/Reporting	Applies to all, unless compliance extension; when to submit to Federal vs. State authority; procedures for owners of more than one source	Yes.
§ 63.10(b)(1)	Recordkeeping/Reporting	General requirements; keep all records readily available; keep for 5 years	Yes.
§ 63.10(b)(2)(i)	Records related to SSM	Recordkeeping of occurrence and duration of startups and shutdowns	No.
§ 63.10(b)(2)(ii)	Records related to SSM	Recordkeeping of malfunctions	No. See § 63.11125(d) for recordkeeping of (1) occurrence and duration and (2) actions taken during malfunction.
§ 63.10(b)(2)(iii)	Maintenance records	Recordkeeping of maintenance on air pollution control and monitoring equipment	Yes.
§ 63.10(b)(2)(iv)	Records Related to SSM	Actions taken to minimize emissions during SSM	No.
§ 63.10(b)(2)(v)	Records Related to SSM	Actions taken to minimize emissions during SSM	No.
§ 63.10(b)(2)(vi)-(xi)	CMS Records	Malfunctions, inoperative, out-of-control periods	No.
§ 63.10(b)(2)(xii)	Records	Records when under waiver	Yes.
§ 63.10(b)(2)(xiii)	Records	Records when using alternative to relative accuracy test	Yes.
§ 63.10(b)(2)(xiv)	Records	All documentation supporting Initial Notification and Notification	Yes.

		of Compliance Status	
§ 63.10(b)(3)	Records	Applicability determinations	Yes.
§ 63.10(c)	Records	Additional records for CMS	No.
§ 63.10(d)(1)	General Reporting Requirements	Requirement to report	Yes.
§ 63.10(d)(2)	Report of Performance Test Results	When to submit to Federal or State authority	Yes.
§ 63.10(d)(3)	Reporting Opacity or VE Observations	What to report and when	No.
§ 63.10(d)(4)	Progress Reports	Must submit progress reports on schedule if under compliance extension	Yes.
§ 63.10(d)(5)	SSM Reports	Contents and submission	No. See § 63.11126(b) for malfunction reporting requirements.
§ 63.10(e)(1)-(2)	Additional CMS Reports	Must report results for each CEMS on a unit; written copy of CMS performance evaluation; two-three copies of COMS performance evaluation	No.
§ 63.10(e)(3)(i)-(iii)	Reports	Schedule for reporting excess emissions	No.
§ 63.10(e)(3)(iv)-(v)	Excess Emissions Reports	Requirement to revert to quarterly submission if there is an excess emissions and parameter monitor exceedances (now defined as deviations); provision to request semiannual reporting after compliance for 1 year; submit report by 30th day following end of quarter or calendar half; if there has not been an exceedance or excess emissions (now defined as deviations), report contents in a statement that there have been no deviations; must submit report containing all of the information in §§ 63.8(c)(7)-(8) and 63.10(c)(5)-(13)	No.
§ 63.10(e)(3)(iv)-(v)	Excess Emissions Reports	Requirement to revert to quarterly submission if there is an excess emissions and parameter monitor exceedances (now defined as deviations); provision to request semiannual reporting after compliance for 1 year; submit report by 30th day following end	No, § 63.11130(K) specifies excess emission events for this subpart.

		of quarter or calendar half; if there has not been an exceedance or excess emissions (now defined as deviations), report contents in a statement that there have been no deviations; must submit report containing all of the information in §§ 63.8(c)(7)-(8) and 63.10(c)(5)-(13)	
§ 63.10(e)(3)(vi)-(viii)	Excess Emissions Report and Summary Report	Requirements for reporting excess emissions for CMS; requires all of the information in §§ 63.10(c)(5)-(13) and 63.8(c)(7)-(8)	No.
§ 63.10(e)(4)	Reporting COMS Data	Must submit COMS data with performance test data	No.
§ 63.10(f)	Waiver for Recordkeeping/Reporting	Procedures for Administrator to waive	Yes.
§ 63.11(b)	Flares	Requirements for flares	No.
§ 63.12	Delegation	State authority to enforce standards	Yes.
§ 63.13	Addresses	Addresses where reports, notifications, and requests are sent	Yes.
§ 63.14	Incorporations by Reference	Test methods incorporated by reference	Yes.
§ 63.15	Availability of Information	Public and confidential information	Yes.

[73 FR 1945, Jan. 10, 2008, as amended at 76 FR 4184, Jan. 24, 2011]

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

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

Source Background and Description

Source Name:	OmniSource Indianapolis, LLC
Source Location:	2205 South Holt Road, Indianapolis, IN 46241
County:	Marion
SIC Code:	5093
Operation Permit No.:	F097-30042-00580
Operation Permit Issuance Date:	September 5, 2012
Significant Permit Revision No.:	097-33584-00580
Permit Reviewer:	Muhammad Khan / James Mackenzie

On January 28, 2014, the Office of Air Quality (OAQ) had a notice published in the Indianapolis Star, Indianapolis, Indiana, stating that OmniSource Indianapolis, LLC had applied for a Significant Permit Revision to adjust the source wide annual VOC emission (FESOP) limit for the vehicle/metal shredder (001) and to add insignificant activities to the permit. The notice also stated that the OAQ proposed to issue a Significant Permit Revision for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Comments and Responses

On February 27, 2014, Jaime Saylor with Hatchett & Hauck LLP, on behalf of OmniSource Indianapolis, LLC, submitted comments to IDEM, OAQ on the draft Significant Permit Revision.

The Technical Support Document (TSD) is used by IDEM, OAQ for historical purposes. IDEM, OAQ does not make any changes to the original TSD, but the Permit will have the updated changes. The comments and revised permit language are provided below with deleted language as ~~strikeouts~~ and new language **bolded**.

Comment 1:

For the gasoline storage tank, additional language was requested in the permit to indicate that the Permittee may choose the method of compliance with 40 CFR 63, Subpart CCCCCC (National Emissions Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities) from any option allowed by the NESHAP. Specifically, the following language was requested to be added to Condition E.1.2:

"Where the NESHAP provides options for compliance, nothing in this condition precludes the Permittee from choosing among those options or requires the Permittee to use a particular option."

Response to Comment 1:

Condition E.1.2. specifies the applicable compliance provisions of 40 CFR 63, Subpart CCCCCC. The source is required to comply with 40 CFR 63.11116 - Requirements for facilities with monthly throughput of less than 10,000 gallons of gasoline. This subpart does not contain any alternative options for compliance. Therefore, a reference to multiple options for compliance would have no utility in this condition. No changes were made to the permit as a result of this comment.

IDEM Contact

- (a) Questions regarding this proposed Significant Permit Revision can be directed to James Mackenzie 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) 233-2641 or toll free at 1-800-451-6027 extension 3-2641.
- (b) A copy of the permit is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

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

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

Source Description and Location

Source Name: OmniSource Indianapolis, LLC
Source Location: 2205 South Holt Road, Indianapolis, IN 46241
County: Marion (Wayne Township)
SIC Code: 5093 (Scrap and Waste Materials)
Operation Permit No.: F 097-30042-00580
Operation Permit Issuance Date: September 5, 2012
Significant Permit Revision No.: 097-33584-00580
Permit Reviewer: Muhammad D. Khan / James Mackenzie

On August 28, 2013, the Office of Air Quality (OAQ) received an application from OmniSource Indianapolis, LLC related to a modification to an existing stationary scrap metal recycling plant to add various insignificant activities to its permit and to voluntarily lower the annual VOC limit at the shredder.

Existing Approvals

The source was issued FESOP No. 097-30042-00580 on September 5, 2012. The source has since received Administrative Amendment No. 097-32391-00580, issued on October 23, 2012.

County Attainment Status

The source is located in Marion County (Wayne Township).

Pollutant	Designation
SO ₂	Non-attainment effective October 4, 2013 for Center, Perry, and Wayne Twp. The remainder of Marion County is unclassifiable or attainment.
CO	Attainment effective February 18, 2000, for the part of the city of Indianapolis bounded by 11 th Street on the north; Capitol Avenue on the west; Georgia Street on the south; and Delaware Street on the east. Unclassifiable or attainment effective November 15, 1990, for the remainder of Indianapolis and Marion County.
O ₃	Attainment effective November 8, 2007, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Attainment effective July 10, 2000, for the part of Franklin Township bounded by Thompson Road on the south; Emerson Avenue on the west; Five Points Road on the east; and Troy Avenue on the north. Attainment effective July 10, 2000, for the part of Wayne Township bounded by Rockville Road on the north; Girls School Road on the east; Washington Street on the south; and Bridgeport Road on the west. The remainder of the county is not designated.

¹Attainment effective October 18, 2000, for the 1-hour ozone standard for the Indianapolis area, including Marion County, and is a maintenance area for the 1-hour ozone National Ambient Air Quality Standards (NAAQS) for purposes of 40 CFR 51, Subpart X*. The 1-hour designation was revoked effective June 15, 2005. Unclassifiable or attainment effective federally July 11, 2013, for PM2.5.

- (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. Marion 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}**
Marion County has been classified as attainment for PM_{2.5}. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM_{2.5} emissions. These rules became effective on July 15, 2008. On May 4, 2011 the air pollution control board issued an emergency rule establishing the direct PM_{2.5} significant level at ten (10) tons per year. This rule became effective, June 28, 2011. 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) **SO₂**
U.S. EPA, in the Federal Register Notice 78 FR 47191 dated August 5, 2013, has designated Marion County, Wayne Township as nonattainment for SO₂. Therefore, SO₂ emissions were reviewed pursuant to the requirements of Emission Offset, 326 IAC 2-3.
- (d) **Other Criteria Pollutants**
Marion 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 revision, after consideration of all enforceable limits established in the effective permits:

This PTE table is based on the ATSD Appendix A of F097-30042-00580, issued on September 5, 2012.

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)									
	PM	PM10*	PM2.5	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e**	Total HAPs	Worst Single HAP
Nat. Gas Combustion	0.02	0.06	0.06	0.01	0.85	0.05	0.72	1,032	0.02	0.02 Hexane
Vehicle/Metal Shredder (001)	3.38	3.38	3.38	-	-	<88.75	-	-	<20.90	<7.40 Toluene
Z-Box/Cyclone (002)	7.88	7.88	7.88	-	-	-	-	-	-	-
Conveyor System (003)	6.15	2.17	1.65	-	-	-	-	-	-	-
Eddy Current Process	0.20	0.07	0.02	-	-	-	-	-	-	-
Torch Cutting	4.11	4.11	4.11	-	-	-	-	-	0.02	0.01 (Mn/Cr)
Welding	0.06	0.06	0.06	-	-	-	-	-	Negl.	Negl.
Drop Operations (Fugitive)	2.78	1.32	0.20	-	-	-	-	-	-	-
Roadways (Fugitive)	4.36	0.85	0.13	-	-	-	-	-	-	-
Total PTE of Entire Source	21.80	17.74	17.17	0.01	0.85	<88.80	0.72	1,032	<20.94	<7.40 Toluene
Title V Major Source Thresholds**	NA	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds**	250	250	250	250	250	250	250	100,000	NA	NA

Negl. = Negligible; Mn = Manganese; Cr = Chromium

Fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

*Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".

**The 100,000 CO₂e threshold represents the Title V and PSD subject to regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD.

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no attainment regulated pollutant 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 stationary source under Emission Offset (326 IAC 2-3), because no nonattainment regulated pollutant is emitted at a rate of 100 tons per year or more.
- (c) This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because the Permittee has accepted limits on HAPs emissions to 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 Revision

The Office of Air Quality (OAQ) has reviewed an application, submitted by OmniSource Indianapolis, LLC on August 28, 2013, relating to the adjustment of the source wide annual VOC emission (FESOP) limit for the vehicle/metal shredder (001) and to add insignificant activities to the permit.

- (a) The source has requested to revise the source wide annual VOC emission (FESOP) limit from 88.75 to 75 tons per twelve (12) consecutive month period from the vehicle/metal shredder (001).

The following is a list of the insignificant activities:

- (b) Fourteen (14) natural gas-fired infrared radiant tube space heaters including:

Unit	Capacity
10 infrared radiant tube heaters	0.935 MMBtu/hr (Combined)
4 infrared radiant tube heaters	0.80 MMBtu/hr (Combined)

- (c) A petroleum fuel other than a gasoline dispensing facility, having a storage tank capacity less than or equal to ten thousand five hundred (10,500) gallons and dispensing three thousand five hundred (3,500) gallons per day or less.
- (d) A gasoline dispensing operation having a storage tank capacity equal to or less than ten thousand five hundred (10,500) gallons and less than or equal to one thousand three hundred (1,300) gallons per day. [Affected facility under NESHAP CCCCCC]
- (e) Eight (8) portable generators. The five (5) gasoline generators (22, 22, 22, 20, 20 HP) and three (3) diesel generators (20, 20, 32.6 HP) are non-road engines. Therefore the potential to emit from these units have not been counted towards 326 IAC 2-7 or 326 IAC 2-2 applicability.

Enforcement Issues

There are no pending enforcement actions related to this revision.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – FESOP Revision

The following table is used to determine the appropriate permit level under 326 IAC 2-8-11.1. This table reflects the PTE before controls of the proposed revision. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Process/ Emission Unit	PTE of Proposed Revision (tons/year)									
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e	Total HAPs	Worst Single HAP
Radiant Tube Space Heaters	0.01	0.06	0.06	0.004	0.75	0.04	0.63	899	0.01	0.01 (Hexane)
Storage Tanks	-	-	-	-	-	1.29	-	-	0.01	Negl.
Total PTE of Proposed Revision	0.01	0.06	0.06	0.00	0.75	1.34	0.63	899	0.027	0.01 (Hexane)

Negl. = negligible
 The five (5) gasoline generators (22, 22, 22, 20, 20) HP and three (3) diesel generators (20, 20, 32.6) HP are considered non-road engines. Pursuant to 326 IAC 1-2-73, a source does not include mobile sources, nonroad engines, or nonroad vehicles. Therefore, the potentials to emit from these units have not been counted towards 326 IAC 2-7 (Part 70 Permits) or 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)).

Pursuant to 326 IAC 2-8-11.1(f)(1), this FESOP is being revised through a FESOP Significant Permit Revision because the proposed revision is not an administrative amendment under 326 IAC 2-8-10 and does not qualify as a minor permit revision under 326 IAC 2-8-11.1(d).

PTE of the Entire Source After Issuance of the FESOP Revision

The table below summarizes the potential to emit of the entire source (reflecting adjustment of existing limits), with updated emissions shown as **bold** values and previous emissions shown as ~~strikethrough~~ values.

Process/ Emission Unit	Potential To Emit of the Entire Source to accommodate the Proposed Revision (tons/year)									
	PM	PM10*	PM2.5*	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e**	Total HAPs	Worst Single HAP
Nat. Gas Combustion	0.02	0.06	0.06	0.01	0.85	0.05	0.72	1,032	0.02	0.02 Hexane
Vehicle/Metal Shredder (001)	3.38	3.38	3.38	-	-	88.75 <75.00	-	-	<20.90	<7.40 Toluene
Z-Box/Cyclone (002)	7.88	7.88	7.88	-	-	-	-	-	-	-
Conveyor System (003)	6.15	2.17	1.65	-	-	-	-	-	-	-
Eddy Current Process	0.20	0.07	0.02	-	-	-	-	-	-	-
Torch Cutting	4.11	4.11	4.11	-	-	-	-	-	0.02	0.01 (Mn/Cr)
Welding	0.06	0.06	0.06	-	-	-	-	-	Negl.	Negl.
Radiant Tube Space Heaters	0.01	0.06	0.06	Negl.	0.75	0.04	0.63	899	0.01	Negl.
Storage Tanks	-	-	-	-	-	1.29	-	-	0.01	Negl.
Drop Operations (Fugitive)	2.78	1.32	0.20	-	-	-	-	-	-	-
Roadways (Fugitive)	4.36	0.85	0.13	-	-	-	-	-	-	-
Total PTE of Entire Source	21.80 21.82	47.74 17.79	47.17 17.23	0.01	0.85 1.60	88.80 <76.38	0.72 1.34	1,032 1,932	<20.94 <20.97	<7.40 Toluene
Title V Major Source Thresholds**	NA	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds**	250	250	250	NA	250	250	250	100,000	NA	NA
Emission Offset Major Source Thresholds	NA	NA	NA	100	NA	NA	NA	NA	NA	NA
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". **The 100,000 CO ₂ e threshold represents the Title V and PSD subject to regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD.										

The table below summarizes the potential to emit of the entire source after issuance of this revision, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this FESOP permit revision, and only to the extent that the effect of the control equipment is made practically enforceable in the permit. (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 After Issuance of Revision (tons/year)									
	PM	PM10*	PM2.5*	SO ₂	NO _x	VOC	CO	GHGs as CO _{2e} **	Total HAPs	Worst Single HAP
Nat. Gas Combustion	0.02	0.06	0.06	0.01	0.85	0.05	0.72	1,032	0.02	0.02 Hexane
Vehicle/Metal Shredder (001)	3.38	3.38	3.38	-	-	<75.00	-	-	<20.90	<7.40 Toluene
Z-Box/Cyclone (002)	7.88	7.88	7.88	-	-	-	-	-	-	-
Conveyor System (003)	6.15	2.17	1.65	-	-	-	-	-	-	-
Eddy Current Process	0.20	0.07	0.02	-	-	-	-	-	-	-
Torch Cutting	4.11	4.11	4.11	-	-	-	-	-	0.02	0.01 (Mn/Cr)
Welding	0.06	0.06	0.06	-	-	-	-	-	Negl.	Negl.
Radiant Tube Space Heaters	0.01	0.06	0.06	0.004	0.75	0.04	0.63	899	0.01	Negl.
Storage Tanks	-	-	-	-	-	1.29	-	-	0.01	Negl.
Drop Operations (Fugitive)	2.78	1.32	0.20	-	-	-	-	-	-	-
Roadways (Fugitive)	4.36	0.85	0.13	-	-	-	-	-	-	-
Total PTE of Entire Source	21.82	17.79	17.23	0.01	1.60	<76.38	1.34	1,932	<20.97	<7.40 Toluene
Title V Major Source Thresholds**	NA	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds**	250	250	250	NA	250	250	250	100,000	NA	NA
Emission Offset Major Source Thresholds	NA	NA	NA	100	NA	NA	NA	NA	NA	NA

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".
 **The 100,000 CO_{2e} threshold represents the Title V and PSD subject to regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD.

(a) FESOP Status

This revision 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).

In order to comply with the requirements of 326 IAC 2-8-4 (FESOP), the source shall comply with the following:

- (1) VOC emissions from the vehicle/metal shredder (001) shall not exceed 75.00 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with this limit, combined with the potential to emit VOCs from all other emission units at this source, shall limit the source-wide total potential to emit of VOCs to less than 100 tons per 12 consecutive month period, and shall render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable.

(b) PSD Minor Source

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.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

(a) **Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60, Subpart IIII):**

The three (3) diesel fired generators (20, 20 and 32 hp) are not subject to the requirements of Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60, Subpart IIII) because these units are non road engines. Pursuant to 40 CFR 60.4219, stationary internal combustion engines (ICE) differ from mobile ICE in that a stationary internal combustion engine is not a nonroad engine as defined at 40 CFR 1068.30 (excluding paragraph (2)(ii) of that definition). 40 CFR 1068.30 defines a non-road engine as any internal combustion engine that, by itself or in or on a piece of equipment, is portable or transportable, meaning designed to be and capable of being carried or moved from one location to another. Indicia of transportability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, or platform.

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

(b) **Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40 CFR Part 60, Subpart JJJJ):**

The five (5) gasoline generators (20, 20, 22, 22 and 22 hp) are not subject to the requirements of Standards of Performance for Stationary Spark Ignition internal Combustion Engines (40 CFR Part 60, Subpart JJJJ) because these units are non road engines. Pursuant to 40 CFR 60.4248, stationary internal combustion engines (ICE) differ from mobile ICE in that a stationary internal combustion engine is not a nonroad engine as defined at 40 CFR 1068.30 (excluding paragraph (2)(ii) of that definition). 40 CFR 1068.30 defines a non-road engine as any internal combustion engine that, by itself or in or on a piece of equipment, is portable or transportable, meaning designed to be and capable of being carried or moved from one location to another. Indicia of transportability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, or platform.

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

- (c) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) applicable to this proposed revision.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (d) **NESHAP for Stationary Reciprocating Internal Combustion Engines (40 CFR Part 63, Subpart ZZZZ):**

The five (5) gasoline generators and the three (3) diesel fired generators are not subject to the requirements of National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR 63, Subpart ZZZZ), because these units are non road engines. Pursuant to 40 CFR 63.6675, stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.

- (e) **NESHAP for Source Category: Gasoline Dispensing Facilities (40 CFR Part 63, Subpart CCCCCC):**

The one (1) 500-gallon gasoline storage tank is subject to the requirements of National Emissions Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities (40 CFR Part 63, Subpart CCCCCC), because it is a gasoline dispensing facility (GDF) located at an area source of HAPs.

Nonapplicable portions of the NESHAP will not be included in the permit. The gasoline storage tank is subject to the following portions of Subpart CCCCCC.

1. 40 CFR 63.11111(a), (b), (e);
2. 40 CFR 63.11112(a), (b);
3. 40 CFR 63.11113(a)(2);
4. 40 CFR 63.11115;
5. 40 CFR 63.11116;
6. 40 CFR 63.11125(d);
7. 40 CFR Table 3 to Subpart CCCCCC

The provisions of 40 CFR 63 Subpart A – General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facilities described in this section except when otherwise specified in 40 CFR Part 63, Subpart CCCCCC.

- (f) There are no other National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) applicable to this proposed revision.

Compliance Assurance Monitoring (CAM)

- (g) 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

The following state rules are applicable to the proposed revision:

- (a) 326 IAC 2-8-4 (FESOP)
This revision 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 Revision 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 Revision Section above.
- (c) 326 IAC 2-3 (Emission Offset)
This modification to an existing Emission Offset minor stationary source will not change the Emission Offset minor status, because the potential to emit of all nonattainment regulated pollutants from the entire source will continue to be less than the Emission Offset major source threshold levels. Therefore, pursuant to 326 IAC 2-3, the Emission Offset requirements do not apply. See PTE of the Entire Source After Issuance of the FESOP Revision Section above.
- (d) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The proposed revision is not subject to the requirements of 326 IAC 2-4.1, since the unlimited potential to emit of HAPs from the new units 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.

Infrared Radiant Tube Space Heaters

- (e) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
Pursuant to 326 IAC 6.5-1-2(a), the particulate matter emissions from each of the fourteen (14) infrared radiant tube space heaters shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (dscf)) each.
- (f) 326 IAC 6-2 (Particulate Matter Emissions Limitations for Source of Indirect Heating)
The fourteen (14) infrared radiant tube space heaters are subject to the requirements of 326 IAC 6.5. Pursuant to 326 IAC 6-2-1(e), if any limitations established by this rule is inconsistent with applicable limitations contained in 326 IAC 6.5, then the limitations contained in 326 IAC 6.5 prevail. Therefore, the fourteen (14) infrared radiant tube space heaters are not subject to the requirements of 326 IAC 6-2.

Diesel Storage Tank

- (g) 326 IAC 8-4-3 (Petroleum Liquid Storage Facilities)
The diesel storage tank is not subject to the requirements of 326 IAC 8-4-3 (Petroleum Liquid Storage Facilities), because the storage capacity of diesel storage tank is less than 39,000 gallons.

Gasoline Storage Tank

- (h) 326 IAC 8-4-3 (Petroleum Liquid Storage Facilities)
The gasoline storage tank is not subject to the requirements of 326 IAC 8-4-3 (Petroleum Liquid Storage Facilities), because the storage capacity of gasoline storage tank is less than 39,000 gallons.

- (i) 326 IAC 8-4-6 (Gasoline Dispensing Facilities)
The gasoline storage tank is not subject to the requirements of 326 IAC 8-4-6 (Gasoline Dispensing Facilities), because the monthly throughput of gasoline storage tank is less than 10,000 gallons.
- (j) 326 IAC 8-1-6 (New facilities; general reduction requirements)
The potential VOC emissions from the diesel and gasoline storage tanks are less than twenty-five (25) tons per year, each, based on monthly throughputs provided by the source. Therefore, the diesel and gasoline storage tanks are not subject to the requirements of 326 IAC 8-1-6 (BACT).
- (k) There are no other 326 IAC 8 Rules that are applicable to this modification.

Compliance Determination, Monitoring and Testing Requirements

There are no other compliance determination and monitoring requirements applicable to this modification except as stated by the applicable NESHAP.

The existing compliance requirements will not change as a result of this revision. The source shall continue to comply with the applicable requirements and permit conditions as contained in FESOP No: F097-30042-00580, issued on September 5, 2012.

Proposed Changes

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

Change No. 1: Marion County has been classified as attainment for PM_{2.5}, effective July 11, 2013. The U.S. EPA, in the Federal Register Notice 78 FR 47191 dated August 5, 2012, has designated Wayne Township of Marion County as nonattainment for SO₂. Section A.1 of the Permit is modified as follows:

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

The Permittee owns and operates a stationary scrap metal recycling plant.

Source Address:	2205 South Holt Road, Indianapolis, Indiana 46241
General Source Phone Number:	(260) 423-8595
SIC Code:	5093 (Scrap and Waste Materials)
County Location:	Marion (Wayne Township)
Source Location Status:	Nonattainment for SO₂ -PM _{2.5} standard Attainment for all other 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

Change No. 2: The proposed new units have been added as Insignificant Activities in Section A.3. The permit is modified as follows:

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:

(h) Fourteen (14) natural gas-fired infrared radiant tube space heaters including:

Unit	Capacity
10 infrared radiant tube heaters	0.935 MMBtu/hr (Combined)
4 infrared radiant tube heaters	0.80 MMBtu/hr (Combined)

- (i) A petroleum fuel other than a gasoline dispensing facility, having a storage tank capacity less than or equal to ten thousand five hundred (10,500) gallons and dispensing three thousand five hundred (3,500) gallons per day or less.**
- (j) A gasoline dispensing operation having a storage tank capacity equal to or less than ten thousand five hundred (10,500) gallons and dispensing less than or equal to one thousand three hundred (1,300) gallons per day. [Affected facility under NESHAP CCCCCC]**
- (k) Eight (8) portable generators. The five (5) gasoline generators (22, 22, 22, 20, 20 HP) and three (3) diesel generators (20, 20, 32.6 HP) are non-road engines. Therefore the potential to emit from these units have not been counted towards 326 IAC 2-7 or 326 IAC 2-2 applicability.**

Change No. 3: The proposed infrared radiant tube space heaters have been added in Section D.1 and the VOC FESOP limit in Condition D.1.2 has been revised from 88.75 to 75.00 tons per twelve (12) consecutive month period. Relevant Preventive Maintenance requirements have been clarified. The permit is modified as follows:

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:	

Insignificant Activities	

(h) Fourteen (14) natural gas-fired infrared radiant tube space heaters including:	
Unit	Capacity
10 infrared radiant tube heaters	0.935 MMBtu/hr (Combined)
4 infrared radiant tube heaters	0.80 MMBtu/hr (Combined)
(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.1.2 FESOP Limits [326 IAC 2-8-4][326 IAC 2-2][326 IAC 2-4.1]

Pursuant to 326 IAC 2-8-4 (FESOP) and in order to make the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants) not applicable, the Permittee shall comply with the following emission limits for the vehicle/metal shredder (001):

- (a) VOC emissions from the vehicle/metal shredder (001) shall not exceed ~~88.75~~**75.00** tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

D.1.3 Particulate Matter [326 IAC 6.5-1-2(a)]

- (g) Pursuant to 326 IAC 6.5-1-2(a), the particulate emissions from each of the fourteen (14) infrared radiant tube space heaters, shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (dscf)) each.

D.1.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

~~Within ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, 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.~~

A Preventive Maintenance Plan is required for the vehicle/metal shredder, conveying system, Eddy Current Process, torch cutting, welding 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.

Change No. 4: Section E.1 has been added in the permit to include the descriptive description for the gasoline storage and dispensing operation and the applicable portions of NESHAP, Subpart CCCCCC. The permit is modified as follows:

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Insignificant Activities

- (j) **A gasoline dispensing operation having a storage tank capacity equal to or less than ten thousand five hundred (10,500) gallons and dispensing less than or equal to one thousand three hundred (1,300) gallons per day. [Affected facility under NESHAP CCCCCC]**

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

E.1.1 General Provisions Relating to NESHAP [326 IAC 20-1] [40 CFR Part 63, Subpart A]

The Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 20-1, except when otherwise specified in 40 CFR Part 63, Subpart CCCCCC (included as Attachment A of this permit).

E.1.2 NESHAP for Source category: Gasoline Dispensing Facilities [326 IAC 20] [40 CFR Part 63, Subpart CCCCCC]

The gasoline storage tank shall comply with the following provisions of 40 CFR Part 63, Subpart CCCCCC (included as Attachment A of this permit):

- 1. 40 CFR 63.11111(a), (b), (e);**
- 2. 40 CFR 63.11112(a), (b);**
- 3. 40 CFR 63.11113(a)(2);**
- 4. 40 CFR 63.11115;**
- 5. 40 CFR 63.11116;**
- 6. 40 CFR 63.11125(d);**
- 7. 40 CFR Table 3 to Subpart CCCCCC**

Change No. 5: The VOC emission limit on the FESOP quarterly reporting form has been updated based on revision to Condition D.1.2. The permit is modified as follows:

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

FESOP Quarterly Report

Source Name: OmniSource Indianapolis, LLC
Source Address: 2205 South Holt Road, Indianapolis, Indiana 46241
FESOP Permit No.: F097-30042-00580
Facility: Vehicle/Metal Shredder 001
Parameter: VOC Emissions
Limit: VOC emissions from the vehicle/metal shredder (001) shall not exceed ~~88.75~~
75.00 tons per twelve (12) consecutive month period, with compliance
determined at the end of each month.

Note: Demonstration of compliance with the FESOP VOC emission limitation of 75.00 tons per twelve (12) consecutive month period from the vehicle/metal shredder shall also demonstrate compliance with the VOC BACT limit of 88.75 tons per twelve (12) consecutive month period for vehicle/metal shredder.

Change No.6: IDEM has made the following changes in C section in order to clarify the condition to indicate that the analog instrument must be capable of measuring the parameters outside the normal range. The permit is modified as follows:

C.10 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.**

Change No.7: IDEM added "where applicable" to the lists in Section C - General Record Keeping Requirements to more closely match the underlying rule. The permit is modified as follows:

C.14 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**:

Change No.8: IDEM has corrected the typographical errors in Condition D.1.5, D.1.6 and D.1.10. The permit is modified as follows:

D.1.5 Volatile Organic Compounds (VOCs)

In order to ~~comply~~ **demonstrate compliance** with Conditions D.1.1(a) and D.1.2(a), the Permittee shall determine VOC emissions from the vehicle/metal shredder (001) according to the following formula:

D.1.6 Hazardous Air Pollutants (HAPs)

(a) In order to ~~comply~~ **demonstrate compliance** with Condition D.1.2(b), the Permittee shall determine Toluene emissions from the vehicle/metal shredder (001) according to the following formula:

(b) In order to ~~comply~~ **demonstrate compliance** with Condition D.1.2(c), the Permittee shall determine combined HAP emissions from the vehicle/metal shredder (001) according to the following formula:

D.1.10 Reporting Requirements

Quarterly summaries of the information to document the compliance status with Conditions D.1.1(a), D.1.2(a), D.1.2(b), D.1.2(c), D.1.65, and D.1.76 shall be submitted using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The reports submitted by the Permittee 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).

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 August 28, 2013.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed FESOP Significant Permit Revision No.097-33584-00580. The staff recommends to the Commissioner that this FESOP Significant Permit Revision be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to James Mackenzie 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) 233-2641 or toll free at 1-800-451-6027 extension 3-2641.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.in.gov/idem

SUMMARY OF EMISSIONS

Company Name: OmniSource Indianapolis, LLC
Address City IN Zip: 2205 S. Holt Rd., Indianapolis, IN 46241
Significant Permit Revision No. : F097-33584-00580
Plt ID: 097-00580
Reviewer: Muhammad D. Khan
Date: 09/04/13

Unlimited Potential to Emit After Integral Controls (tons/year)												
Pollutant	Existing Nat. Gas Combustion	Vehicle/Metal Shredder (001)*	Z-Box/cyclone (002)***	Conveyor System (003)	Eddy Current Process	Torch Cutting	Welding	Radiant Tube Space Heaters	Storage Tanks	Drop Operations (Fugitive)**	Roadways (Fugitive)**	Total
PM	0.02	3.38	7.88	6.15	0.20	4.11	0.06	0.01	-	2.78	4.36	28.96
PM10	0.06	3.38	7.88	2.17	0.07	4.11	0.06	0.06	-	1.32	0.85	19.96
PM2.5	0.06	3.38	7.88	1.65	0.02	4.11	0.06	0.06	-	0.20	0.13	17.55
VOC	0.05	328.50	-	-	-	-	-	0.04	1.29	-	-	329.88
NOx	0.85	-	-	-	-	-	-	0.75	-	-	-	1.60
SO2	0.01	-	-	-	-	-	-	4.47E-03	-	-	-	0.01
CO	0.72	-	-	-	-	-	-	0.63	-	-	-	1.34
CO2e	1,032	-	-	-	-	-	-	899	-	-	-	1,932
Single HAP (Toluene)	2.91E-05	10.96	-	-	-	-	-	-	-	-	-	10.96
Combined HAPs	0.02	42.42	-	-	-	0.02	4.63E-03	1.41E-02	0.01	-	-	42.49

Note:

*Vehicle/Metal Shredder emissions based on 100% automobiles being shredded. The unlimited potential to emit PM/PM10/PM2.5 is after the integral water injection system.
 **Fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.
 ***The unlimited potential to emit PM/PM10/PM2.5 is after the integral cyclone.

Limited Emissions (tons/year)												
Pollutant	Existing Nat. Gas Combustion	Vehicle/Metal Shredder (001)*	Z-Box/cyclone (002)***	Conveyor System (003)	Eddy Current Process	Torch Cutting	Welding	Radiant Tube Space Heaters	Storage Tanks	Drop Operations (Fugitive)**	Roadways (Fugitive)**	Total
PM	0.02	3.38	7.88	6.15	0.20	4.11	0.06	0.01	-	2.78	4.36	21.82
PM10	0.06	3.38	7.88	2.17	0.07	4.11	0.06	0.06	-	1.32	0.85	17.79
PM2.5	0.06	3.38	7.88	1.65	0.02	4.11	0.06	0.06	-	0.20	0.13	17.23
VOC	0.05	75.00	-	-	-	-	-	0.04	1.29	-	-	76.38
NOx	0.85	-	-	-	-	-	-	0.75	-	-	-	1.60
SO2	0.01	-	-	-	-	-	-	4.47E-03	-	-	-	0.01
CO	0.72	-	-	-	-	-	-	0.63	-	-	-	1.34
CO2e	1,032	-	-	-	-	-	-	899	-	-	-	1,932
Single HAP (Toluene)	0.00	7.40	-	-	-	-	-	-	-	-	-	7.40
Combined HAPs	0.02	20.90	-	-	-	0.02	4.63E-03	1.41E-02	0.01	-	-	20.97

Note:

*In order to render the requirements of 326 IAC 2-7 (Part 70) and 326 IAC 2-2 (PSD) not applicable, VOC emissions from the vehicle/metal shredder shall not exceed 75.00 tons per twelve (12) consecutive month period. Pursuant to 326 IAC 8-1-6 (BACT) VOC emissions from vehicle/metal shredder shall not exceed 88.75 tons per twelve (12) consecutive month period. The potential to emit PM/PM10/PM2.5 is after the integral water injection system.
 In order to render the requirements of 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants) not applicable, Toluene emissions from the vehicle/metal shredder shall not exceed 7.40 tons per twelve (12) consecutive month period and combined HAP emissions from the vehicle/metal shredder shall not exceed 20.90 tons per twelve (12) consecutive month period.
 **Fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.
 ***The unlimited potential to emit PM/PM10/PM2.5 is after the integral cyclone.

SUMMARY OF REVISION

Company Name: OmniSource Indianapolis, LLC
Address City IN Zip: 2205 S. Holt Rd., Indianapolis, IN 46241
Significant Permit Revision No. : F097-33584-00580
Plt ID: 097-00580
Reviewer: Muhammad D. Khan
Date: 09/04/13

Unlimited Potential to Emit of Modification (tons/year)			
Pollutant	Radiant Tube Space Heaters	Storage Tanks	Total
PM	0.01	-	0.01
PM10	0.06	-	0.06
PM2.5	0.06	-	0.06
VOC	0.04	1.29	1.34
NOx	0.75	-	0.75
SO2	4.47E-03	-	0.00
CO	0.63	-	0.63
CO2e	899	-	899
Single HAP	0.013 (Hexane)	0.004 (Xylene)	0.013 (Hexane)
Combined HAPs	1.41E-02	1.34E-02	2.75E-02

Note:

The five (5) gasoline generators (22, 22, 22, 20, 20) HP and three (3) diesel generators (20, 20, 32.6) HP are considered non-road engines. Pursuant to 326 IAC 1-2-73, a source does not include mobile sources, nonroad engines, or nonroad vehicles. Therefore, the potentials to emit from these units have not been counted towards 326 IAC 2-7 (Part 70 Permits) or 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)).

**Appendix A: Emissions Summary
Gasoline and Diesel Fuel Transfer and Dispensing Operations
Volatile Organic Compounds and Hazardous Air Pollutants (HAPs)**

**Company Name: OmniSource Indianapolis, LLC
Address City IN Zip: 2205 S. Holt Rd., Indianapolis, IN 46241
Significant Permit Revision No. : F097-33584-00580
Pit ID: 097-00580
Reviewer: Muhammad D. Khan
Date: 09/04/13**

To calculate evaporative emissions from the gasoline dispensing fuel transfer and dispensing operation emission factors from AP-42 Chapter 5.2 Transportation And Marketing Of Petroleum Liquids were used. The total potential emission of VOC is as follows:

Gasoline Throughput =

11.67

 gallons/day
Gasoline Throughput =

4.26

 kgal/yr

Volatile Organic Compounds

Emission Source	Emission Factor (lb/kgal of throughput)*	PTE of VOC (tons/yr)
Filling storage tank (splash filling)	11.50	0.0245
Tank breathing and emptying	1.00	0.0021
Vehicle refueling (displaced losses - uncontrolled)	11.00	0.0234
Spillage	0.70	0.0015
Total		0.052

The potential to emit (PTE) Hazardous Air Pollutants (HAPs) were estimated using published gasoline data and assuming that the HAP % composition of the gasoline vapor is similar to the HAP % composition in liquid gasoline.

Hazardous Air Pollutants (HAPs)

Volatile Organic HAP	CAS#	HAP Content for Gasoline (% by weight)**	PTE of HAP (tons/yr)
1,3-Butadiene	106-99-0	3.70E-5%	1.9E-06
2,2,4-Trimethylpentane	540-84-1	2.40%	1.2E-03
Benzene	71-43-2	1.90%	9.8E-04
Ethylbenzene	100-41-4	1.70%	8.8E-04
Methyl-tert-butylether	1634-04-4	0.33%	1.7E-04
Naphthalene	91-20-3	0.25%	1.3E-04
n-Hexane	110-54-3	2.40%	1.2E-03
Toluene	108-88-3	8.10%	4.2E-03
Total Xylenes	1330-20-7	9.00%	4.6E-03

**Total PTE of HAPs (tons/yr) 1.3E-02
PTE of Worst Single HAP (tons/yr) 4.6E-03 (xylenes)**

Methodology

*Emission Factors from AP-42 Chapter 5.2 Transportation And Marketing Of Petroleum Liquids (dated 6/08), Table 5.2-7

**Source: Petroleum Liquids. Potter, T.L. and K.E. Simmons. 1998. Total Petroleum Hydrocarbon Criteria Working Group Series, Volume 2. Composition of Petroleum Mixtures. The Association for Environmental Health and Science. Available on the Internet at: <http://www.aehsfoundation.org/Publications.aspx>

The gasoline throughput was provided by the source.

Gasoline Throughput (kgal/yr) = [Gasoline Throughput (gallons/day)] * [365 days/yr] * [kgal/1000 gal]

PTE of VOC (tons/yr) = [Gasoline Throughput (kgal/yr)] * [Emission Factor (lb/kgal)] * [ton/2000 lb]

PTE of HAP (tons/yr) = [HAP Content of Gasoline (% by weight)] * [PTE of VOC (tons/yr)]

Abbreviations

VOC = Volatile Organic Compounds HAP = Hazardous Air Pollutant

PTE = Potential to Emit

**Appendix A: Emissions Summary
Gasoline and Diesel Fuel Transfer and Dispensing Operations
Volatile Organic Compounds and Hazardous Air Pollutants (HAPs)**

Company Name: OmniSource Indianapolis, LLC
Address City IN Zip: 2205 S. Holt Rd., Indianapolis, IN 46241
Significant Permit Revision No. : F097-33584-00580
Pit ID: 097-00580
Reviewer: Muhammad D. Khan
Date: 09/04/13

Diesel Fuel Emissions

1. Loading

(AP-42, Chapter 5)

Loading Losses:

$$LL = 12.46 \frac{SPM}{T}$$

where

- S = Saturation Factor (Table 5.2-1, AP-42)
- P = True vapor pressure of liquid loaded (psia)
- M = Molecular weight of vapors (lb/lb-mole)
- T = Temperature, °R (°F + 460)
- LL = Loading Loss Emission Factor (lb/kgal)

Throughput = 225205 gal/year
 Uncontrolled Emissions = 8.9820 lb/year
 0.0045 tons/year

For diesel fuel:

S = 1.45
 P = 0.009
 M = 130
 T = 530

LL = 0.0399 lb/kgal
 3.99E-05 lb/gal

2. Refueling

Uncontrolled Displacement Losses (AP-42, Table 5-2.7)

$$E = 11.0(F)$$

where

- E = Uncontrolled Emissions (lb/year)
- F = Throughput (kgal)

For diesel:

F = 225.205 kgal
 E = 2477.255 lb/year
 1.2386275 tons/year

Summary

Loading Emissions 0.0045
 Refueling Emissions 1.2386275
Total Diesel VOC Emissions (tons/yr) 1.24

Total VOC Emissions from Gasoline and Diesel Storage Tanks = 1.23 + 0.052

Total VOC Emissions = 1.29 tons per year

**TSD Appendix A: Emission Calculations
Natural Gas Combustion Only
Infrared Radiant Tube Space Heaters**

Company Name: OmniSource Indianapolis, LLC
Address City IN Zip: 2205 S. Holt Rd., Indianapolis, IN 46241
Significant Permit Revision No. : F097-33584-00580
Plt ID: 097-00580
Reviewer: Muhammad D. Khan
Date: 09/04/13

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr	Emission Unit Description
0.935	8.03	Ten (10) infrared radiant tube heaters
0.80	6.87	Four (4) infrared radiant tube heaters
1.74	14.90	

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	PM2.5	SO2	NOx	VOC	CO
	1.9	7.6	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.01	0.06	0.06	4.5E-03	0.75	0.04	0.63

*PM emission factor is filterable PM only. PM10 and PM2.5 emission factors are filterable and condensable PM10 combined.

**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology:

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

Hazardous Air Pollutants

Emission Factor in lb/MMcf	HAPs - Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	1.565E-05	8.940E-06	5.588E-04	1.34E-02	2.533E-05

Emission Factor in lb/MMcf	HAPs - Metals				
	Lead	Cadmium	Chromium	Manganese	Nickel
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	3.725E-06	8.195E-06	1.043E-05	2.831E-06	1.565E-05
	Combined HAPs:				1.41E-02

The five highest organic and metal HAPs emission factors are provided above.

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Greenhouse Gasses

Emission Factor in lb/MMcf	Greenhouse Gas		
	CO2	CH4	N2O
	120000	2.3	2.2
Potential Emission in tons/yr	894	0.02	0.02
Summed Potential Emissions in tons/yr	894		
CO2e Total in tons/yr	899		
Global Warming Potentials	1	21	310

Methodology:

The N2O Emission Factor for uncontrolled is 2.2.

Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.

Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP (310).

TSD Appendix A: Emission Calculations
Existing Natural Gas-fired Units

Company Name: OmniSource Indianapolis, LLC
Address City IN Zip: 2205 S. Holt Rd., Indianapolis, IN 46241
Significant Permit Revision No.: F097-33584-00580
PIE ID: 097-00580
Reviewer: Muhammad D. Khan
Date: 09/04/13

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr	Emission Unit Description
0.300	2.63	One (1) heater rated at 0.30 MMBtu/hr
0.300	2.63	One (1) heater rated at 0.30 MMBtu/hr
0.800	7.01	Four (4) heaters rated at 0.20 MMBtu/hr, each
0.076	0.67	One (1) water heater rated at 0.076 MMBtu/hr
0.076	0.67	One (1) water heater rated at 0.076 MMBtu/hr
0.100	0.88	One (1) heater rated at 0.10 MMBtu/hr
0.300	2.63	Three (3) heaters rated at 0.10 MMBtu/hr, each
1.95	17.10	

Emission Factor in lb/MMCF	Pollutant						
	PM ¹	PM10 ¹	PM2.5	SO ₂	NO _x	VOC	CO
	1.9	7.6	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.02	0.06	0.06	0.01	0.85	0.05	0.72

*PM emission factor is filterable PM only. PM10 and PM2.5 emission factors are filterable and condensable PM10 combined.
 **Emission Factors for NO_x: Uncontrolled = 100, Low NO_x Burner = 50, Low NO_x Burners/Flue gas recirculation = 32

Methodology:

All emission factors are based on normal firing.
 MMBtu = 1,000,000 Btu
 MMCF = 1,000,000 Cubic Feet of Gas
 Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03
 Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu
 Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

Hazardous Air Pollutants

Emission Factor in lb/MMcf	HAPs - Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	1.795E-05	1.026E-05	6.412E-04	1.54E-02	2.907E-05

Emission Factor in lb/MMcf	HAPs - Metals				
	Lead	Cadmium	Chromium	Manganese	Nickel
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	4.275E-06	9.405E-06	1.197E-05	3.249E-06	1.795E-05

Combined HAPs: 0.02

The five highest organic and metal HAPs emission factors are provided above.
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Greenhouse Gasses

Emission Factor in lb/MMcf	Greenhouse Gas		
	CO ₂	CH ₄	N ₂ O
	120000	2.3	2.2
Potential Emission in tons/yr	1,026	0.02	0.02
Summed Potential Emissions in tons/yr	1,026		
CO ₂ e Total in tons/yr	1,032		

Methodology:

The N₂O Emission Factor for uncontrolled is 2.2.
 Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.
 Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
 Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
 CO₂e (tons/yr) = CO₂ Potential Emission ton/yr x CO₂ GWP (1) + CH₄ Potential Emission ton/yr x CH₄ GWP (21) + N₂O Potential Emission ton/yr x N₂O GWP (310).

**ATSD Appendix A: Emission Calculations
Unlimited Vehicle/Metal Shredder (001) Emissions**

Company Name: OmniSource Indianapolis, LLC
Address City IN Zip: 2205 S. Holt Rd., Indianapolis, IN 46241
Significant Permit Revision No.: F097-33584-00580
PIT ID: 097-00580
Reviewer: Muhammad D. Khan
Date: 09/04/13

Particulate Emissions

Process Description	Maximum Capacity (tons/hr)	Particulate Emission Factor (lbs/ton)	PTE of PM/PM10/PM2.5	
			(lb/hr)	(tons/yr)
Vehicle/Metal Shredder (001)	300	0.00257	0.771	3.38

Note:

Material is wetted with an integral smart water injection system to minimize explosion and fire hazards.

The particulate emission factor for the shredder is from the Institute of Scrap Recycling Industries, Inc. "Title V Applicability Workbook" Appendix D, Table D-10.F for dry milling of a 75% Auto & 25% Scrap throughput mixture.

The ISRI, Inc's "Title V Applicability Workbook" Appendix D, Table D-10.F emission factor is higher than the factor determined through the stack testing performed at Capital City Metals, LLC in Indianapolis on February 8, 2005, where the vehicle/metal shredder at that facility was utilizing a Smart Water Injection system.

Assumed PM = PM10 = PM2.5

Methodology:

PTE of PM/PM10 (lb/hr) = Maximum Capacity (tons/hr) * Emission Factor (lbs/ton)

PTE of PM/PM10 (tons/yr) = Maximum Capacity (tons/hr) * Emission Factor (lbs/ton) * 8760 hrs / 2000 lbs.

VOC Emissions

Process Description	Maximum Capacity (tons/hr)	VOC Emission Factor		Auto PTE of VOC		Sheet PTE of VOC	
		(lbs/ton)	(lbs/ton)	(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)
Vehicle/Metal Shredder (001)	300	0.25	0.14	75.00	328.50	42.00	183.96

Note:

VOC emission factor is from the April 2010 Jackson, Michigan shredder VOC study conducted by OmniSource Corporation facility for a similar unit.

The PTE is based on the worst-case assumption that 100% auto scrap is being processed.

Methodology:

PTE of VOC (lb/hr) = Maximum Capacity (tons/hr) * VOC Emission Factor (lbs/ton)

PTE of VOC (ton/yr) = Maximum Capacity (tons/hr) * VOC Emission Factor (lbs/ton) * 8,760 hrs / 2,000 lbs.

HAP Emissions (Auto Shredding)		Organic HAPs											Metal HAPs			Polychlorinated Biphenyls	
Process Description	Maximum Capacity (tons/hr)	Hexane (lbs/ton)	Benzene (lbs/ton)	MIBK (lbs/ton)	Trichloroethene (lbs/ton)	Toluene (lbs/ton)	Ethylbenzene (lbs/ton)	m,p-Xylenes (lbs/ton)	Styrene (lbs/ton)	o-Xylene (lbs/ton)	Cumene (lbs/ton)	Napthalene (lbs/ton)	Isooctane (lbs/ton)	Cadmium (lbs/ton)	Chromium (lbs/ton)	Lead (lbs/ton)	PCB's (lbs/ton)
Vehicle/Metal Shredder (001)	300	0.0037	0.0019	0.0002	0.0002	0.0083	0.0019	0.0068	0.0009	0.0025	0.0002	0.0001	0.00531	0.00000116	0.00000128	0.00000789	0.0000873
		4.89	2.52	0.33	0.27	10.96	2.54	8.93	1.12	3.32	0.25	0.20	6.96	0.00	0.00	0.01	0.11

Combined HAPS: **42.42**

HAP Emissions (Sheet Shredding)		Organic HAPs																
Process Description	Maximum Capacity (tons/hr)	Chloromethane (lbs/ton)	1,3 Butadiene (lbs/ton)	Acrolein (lbs/ton)	Dichloroethene (lbs/ton)	Hexane (lbs/ton)	Benzene (lbs/ton)	Trichloroethene (lbs/ton)	Methyl Methacrylate (lbs/ton)	MIBK (lbs/ton)	Toluene (lbs/ton)	Ethylbenzene (lbs/ton)	m,p-Xylenes (lbs/ton)	Styrene (lbs/ton)	o-Xylene (lbs/ton)	Cumene (lbs/ton)	1,4 Dichlorobenzene (lbs/ton)	Napthalene (lbs/ton)
Vehicle/Metal Shredder (001)	300	0.00002	0.00002	0.00002	0.00005	0.00076	0.00024	0.00003	0.00006	0.00056	0.00240	0.00074	0.00263	0.00039	0.00104	0.00010	0.00002	0.00020
		0.02	0.03	0.03	0.06	1.00	0.32	0.04	0.08	0.73	3.15	0.97	3.45	0.51	1.37	0.13	0.03	0.26

Combined HAPS: **12.18**

Note:

Organic HAP Emission Factors determined from the April 2010 TO-15 stack test performed at the Jackson, Michigan OmniSource Corporation facility. Emission Factors are averages of three test runs.

The Organic HAP PTE is based on the worst-case assumption that 100% auto scrap is being processed.

Metal HAP and PCB emission factors from the Institute of Scrap Recycling Industries, Inc. "Title V Applicability Workbook" Appendix D, Table D-11.F

Methodology:

HAP Emissions (tons/yr) = Maximum Capacity (tons/hr) * HAP (lbs/ton) * 8,760 hrs / 2000 lbs

**TSD Appendix A: Emission Calculations
Z-Box/Cyclone (002) Emissions**

**Company Name: OmniSource Indianapolis, LLC
Address City IN Zip: 2205 S. Holt Rd., Indianapolis, IN 46241
Significant Permit Revision No. : F097-33584-00580
Plt ID: 097-00580
Reviewer: Muhammad D. Khan
Date: 09/04/13**

Z-Box Metal Separator (002)

Emission Unit ID	Maximum Capacity (tons/hour)	Design Outlet Grain Loading (grains/dscf)	Maximum Exhaust (dscfm)	PM/PM10/PM2.5 PTE (lbs/hour)*	PM/PM10/PM2.5 PTE (tons/yr)*
Z-Box/Cyclone (002)	300	0.03	7000	1.80	7.88

Note:

The emission factor for the Z-box metal separator is higher than that listed in the Institute of Scrap Recycling Industries, Inc. "Title V Applicability Workbook" Appendix D, Table D-11.E.

Assumed PM10 = PM2.5

*The unlimited potential to emit PM/PM10/PM2.5 is after the integral cyclone.

Methodology:

PTE of PM/PM10/PM2.5 (lbs/hour) = Design Outlet Grain Loading (gr/dscf) x dscfm x 60 (min/hr) x lb/ 7000 gr

PTE of PM/PM10/PM2.5 (tons/year) = lbs/hr x 8760 hrs/yr x ton/2000 lbs

**TSD Appendix A: Emission Calculations
Conveyor System (003) Emissions**

**Company Name: OmniSource Indianapolis, LLC
Address City IN Zip: 2205 S. Holt Rd., Indianapolis, IN 46241
Significant Permit Revision No. : F097-33584-00580
Plt ID: 097-00580
Reviewer: Muhammad D. Khan
Date: 09/04/13**

Unlimited Particulate Matter Emissions - Conveyor System (003)

Process Description	Number of Emission Points	Maximum Capacity (tons/hr)	PM Emission Factor (lbs/ton)	PM10 Emission Factor (lbs/ton)	PM2.5 Emission Factor (lbs/ton)	Unlimited PTE of PM		Unlimited PTE of PM10		Unlimited PTE of PM2.5	
						(lb/hr)	(tons/yr)	(lb/hr)	(tons/yr)	(lb/hr)	(tons/yr)
Conveyor Transfer Point - wet*	12	300	1.40E-04	4.60E-05	1.30E-05	0.50	2.21	0.17	0.73	0.05	0.20
Conveyor Transfer Point - dry**	1	300	3.00E-03	1.10E-03	1.10E-03	0.90	3.94	0.33	1.45	0.33	1.45
Potential Emissions:						6.15		2.17		1.65	

Note:

Emissions from conveying of metal scrap are calculated using emission factors for crushed stone conveyor transfer points from AP-42, Chapter 11.19, Table 11.19.2-2 (SCC 3-05-020-06) (8/04).

* The water injection system on the vehicle/metal shredder is considered an integral control device. This system leaves the items in the downstream conveyors wet. Therefore controlled emission factors are used for these conveyor transfer points.

**The conveyor transfer point is a damp process. The emission factor for a dry process was used as a worst case.

No emission factor is identified for PM2.5 for dry conveying, therefore it is assumed PM10 = PM2.5

Methodology:

Unlimited PTE (lb/hr) = Number of Emission Points * Maximum Capacity (tons/hr) * Emission Factor (lbs/ton)

Unlimited PTE (tons/yr) = Number of Emission Points * Maximum Capacity (tons/hr) * Emission Factor (lbs/ton) * 8760 (hrs/yr) * 1 ton/2000 lbs

TSD Appendix A: Emission Calculations
Eddy Current Process Emissions

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Company Name: OmniSource Indianapolis, LLC
Address City IN Zip: 2205 S. Holt Rd., Indianapolis, IN 46241
Significant Permit Revision No.: P99135584-00580
PH ID: 097-00580
Reviewer: Muhammad D. Khan
Date: 09/04/13

Transition Point	Covered Transition Point (Yes/No)	Nominal Throughput Rate (Tons/Hr)	Building/Awning/Opening	No. of Transition Points	No. of Drop Points	PM Emission Factor (lb/ton)	PM10 Emission Factor (lb/ton)	PM2.5 Emission Factor (lb/ton)	Unlimited PTE of PM (lb/hr)	Unlimited PTE of PM (tons/yr)	Unlimited PTE of PM10 (lb/hr)	Unlimited PTE of PM10 (tons/yr)
2	Y	45.00	O	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3 (material pile)	N	0.40	O	1	1	1.40E-04	4.60E-05	1.30E-05	5.60E-05	2.45E-04	1.84E-05	8.06E-05
4	Y	44.60	O	1	1	1.40E-04	4.60E-05	1.30E-05	6.24E-03	2.73E-02	2.05E-03	8.99E-03
5	Y	0.60	O	1	1	1.40E-04	4.60E-05	1.30E-05	8.40E-05	3.68E-04	2.70E-05	1.21E-04
6 (material pile)	Y	0.60	O	1	1	1.40E-04	4.60E-05	1.30E-05	8.40E-05	3.68E-04	2.70E-05	1.21E-04
7	Y	8.33	O	1	1	1.40E-04	4.60E-05	1.30E-05	1.17E-03	5.10E-03	3.83E-04	1.68E-03
8	N	8.33	B	1	1	1.40E-04	4.60E-05	1.30E-05	1.17E-03	5.10E-03	3.83E-04	1.68E-03
9 (material pile)	N	2.93	B	1	1	1.40E-04	4.60E-05	1.30E-05	4.11E-04	1.80E-03	1.35E-04	5.91E-04
10	N	5.39	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	Y	3.37	B	1	1	1.40E-04	4.60E-05	1.30E-05	4.72E-04	2.07E-03	1.55E-04	6.79E-04
12	N	3.37	B	1	1	1.40E-04	4.60E-05	1.30E-05	4.72E-04	2.07E-03	1.55E-04	6.79E-04
13 (material pile)	Y	2.70	B	1	1	1.40E-04	4.60E-05	1.30E-05	3.78E-04	1.69E-03	1.24E-04	5.46E-04
14 (material pile)	Y	0.67	B	1	1	1.40E-04	4.60E-05	1.30E-05	9.44E-05	4.13E-04	3.10E-05	1.36E-04
15	N	3.30	B	1	1	1.40E-04	4.60E-05	1.30E-05	4.61E-04	2.02E-03	1.52E-04	6.64E-04
16	Y	3.30	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	Y	2.64	B	1	1	1.40E-04	4.60E-05	1.30E-05	3.89E-04	1.69E-03	1.21E-04	5.01E-04
18	Y	0.66	B	1	1	1.40E-04	4.60E-05	1.30E-05	9.23E-05	4.04E-04	3.03E-05	1.33E-04
19	N	0.66	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	Y	0.33	B	1	1	1.40E-04	4.60E-05	1.30E-05	4.62E-05	2.02E-04	1.52E-05	6.65E-05
21 (material pile)	N	0.00	O	1	1	1.40E-04	4.60E-05	1.30E-05	4.20E-07	1.84E-06	1.38E-07	6.04E-07
22 (material pile)	N	0.33	O	1	1	1.40E-04	4.60E-05	1.30E-05	4.58E-05	2.01E-04	1.50E-05	6.69E-05
23	Y	0.33	B	1	1	1.40E-04	4.60E-05	1.30E-05	4.62E-05	2.02E-04	1.52E-05	6.69E-05
24	N	0.33	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	Y	0.06	B	1	1	1.40E-04	4.60E-05	1.30E-05	7.84E-06	3.43E-05	2.58E-06	1.13E-05
26	Y	0.27	B	1	1	1.40E-04	4.60E-05	1.30E-05	3.84E-05	1.68E-04	1.28E-05	5.52E-05
27 (material pile)	N	0.27	B	1	1	1.40E-04	4.60E-05	1.30E-05	3.84E-05	1.68E-04	1.28E-05	5.52E-05
28	Y	44.00	O	1	1	1.40E-04	4.60E-05	1.30E-05	8.18E-03	3.70E-02	2.62E-03	8.87E-03
29	Y	9.32	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	N	4.66	B	1	1	1.40E-04	4.60E-05	1.30E-05	6.52E-04	2.89E-03	2.14E-04	9.39E-04
31	N	4.66	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	N	4.66	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	N	4.66	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	Y	0.20	B	1	1	1.40E-04	4.60E-05	1.30E-05	1.69E-04	7.38E-04	5.54E-05	2.43E-04
35	Y	0.41	B	1	1	1.40E-04	4.60E-05	1.30E-05	3.38E-04	1.47E-03	1.09E-04	4.86E-04
36	Y	1.20	B	1	1	1.40E-04	4.60E-05	1.30E-05	1.01E-03	4.45E-03	3.28E-04	1.37E-03
37	Y	0.41	B	1	1	1.40E-04	4.60E-05	1.30E-05	3.38E-04	1.47E-03	1.09E-04	4.86E-04
38	N	3.04	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	N	3.04	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	Y	0.79	B	1	1	1.40E-04	4.60E-05	1.30E-05	1.10E-04	4.83E-04	3.62E-05	1.59E-04
41	Y	0.79	B	1	1	1.40E-04	4.60E-05	1.30E-05	1.10E-04	4.83E-04	3.62E-05	1.59E-04
42	Y	2.26	B	1	1	1.40E-04	4.60E-05	1.30E-05	3.16E-04	1.38E-03	1.04E-04	4.55E-04
43	Y	2.26	B	1	1	1.40E-04	4.60E-05	1.30E-05	3.16E-04	1.38E-03	1.04E-04	4.55E-04
44	N	2.26	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	N	2.26	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	Y	1.80	B	1	1	1.40E-04	4.60E-05	1.30E-05	2.53E-04	1.11E-03	8.30E-05	3.64E-04
47	Y	1.80	B	1	1	1.40E-04	4.60E-05	1.30E-05	2.53E-04	1.11E-03	8.30E-05	3.64E-04
48	Y	0.45	B	1	1	1.40E-04	4.60E-05	1.30E-05	6.31E-05	2.77E-04	2.07E-05	9.09E-05
49	Y	0.45	B	1	1	1.40E-04	4.60E-05	1.30E-05	6.31E-05	2.77E-04	2.07E-05	9.09E-05
50	N	0.45	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	N	0.45	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	Y	0.23	B	1	1	1.40E-04	4.60E-05	1.30E-05	3.16E-05	1.38E-04	1.04E-05	4.54E-05
53	Y	0.23	B	1	1	1.40E-04	4.60E-05	1.30E-05	3.16E-05	1.38E-04	1.04E-05	4.54E-05
54	Y	0.23	B	1	1	1.40E-04	4.60E-05	1.30E-05	3.16E-05	1.38E-04	1.04E-05	4.54E-05
55	Y	0.23	B	1	1	1.40E-04	4.60E-05	1.30E-05	3.16E-05	1.38E-04	1.04E-05	4.54E-05
56	N	0.23	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	N	0.23	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	Y	0.04	B	1	1	1.40E-04	4.60E-05	1.30E-05	5.37E-06	2.35E-05	1.77E-06	7.73E-06
59	Y	0.04	B	1	1	1.40E-04	4.60E-05	1.30E-05	5.37E-06	2.35E-05	1.77E-06	7.73E-06
60	Y	0.19	B	1	1	1.40E-04	4.60E-05	1.30E-05	2.63E-05	1.15E-04	8.63E-06	3.78E-05
61	Y	0.19	B	1	1	1.40E-04	4.60E-05	1.30E-05	2.63E-05	1.15E-04	8.63E-06	3.78E-05
62 (material pile)	N	0.15	A	1	1	1.40E-04	4.60E-05	1.30E-05	2.03E-05	8.89E-05	6.67E-06	2.92E-05
63 (material pile)	N	0.38	A	1	1	1.40E-04	4.60E-05	1.30E-05	4.29E-05	1.87E-04	1.42E-05	6.00E-05
64	N	5.12	B	1	1	1.40E-04	4.60E-05	1.30E-05	7.17E-04	3.14E-03	2.36E-04	1.03E-03
65	Y	2.56	B	1	1	1.40E-04	4.60E-05	1.30E-05	3.59E-04	1.57E-03	1.18E-04	5.16E-04
66	N	1.28	B	1	1	1.40E-04	4.60E-05	1.30E-05	1.79E-04	7.89E-04	5.98E-05	2.68E-04
67	N	1.28	B	1	1	1.40E-04	4.60E-05	1.30E-05	1.79E-04	7.89E-04	5.98E-05	2.68E-04
68	N	2.56	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	N	1.28	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	N	1.28	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	Y	0.60	B	1	1	1.40E-04	4.60E-05	1.30E-05	8.43E-05	3.69E-04	2.77E-05	1.21E-04
72	Y	0.30	B	1	1	1.40E-04	4.60E-05	1.30E-05	4.21E-05	1.85E-04	1.38E-05	6.06E-05
73	Y	0.30	B	1	1	1.40E-04	4.60E-05	1.30E-05	4.21E-05	1.85E-04	1.38E-05	6.06E-05
74	Y	0.41	B	1	1	1.40E-04	4.60E-05	1.30E-05	5.77E-05	2.53E-04	1.89E-05	8.30E-05
75	Y	0.21	B	1	1	1.40E-04	4.60E-05	1.30E-05	2.88E-05	1.26E-04	9.47E-06	4.15E-05
76	Y	0.21	B	1	1	1.40E-04	4.60E-05	1.30E-05	2.88E-05	1.26E-04	9.47E-06	4.15E-05
77	N	1.46	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	N	0.77	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	N	0.77	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	Y	0.11	B	1	1	1.40E-04	4.60E-05	1.30E-05	1.57E-05	6.89E-05	5.16E-06	2.26E-05
81	Y	0.06	B	1	1	1.40E-04	4.60E-05	1.30E-05	7.85E-06	3.44E-05	2.58E-06	1.13E-05
82	Y	0.06	B	1	1	1.40E-04	4.60E-05	1.30E-05	7.85E-06	3.44E-05	2.58E-06	1.13E-05
83	Y	1.44	B	1	1	1.40E-04	4.60E-05	1.30E-05	2.01E-04	8.80E-04	6.60E-05	2.89E-04
84	Y	0.72	B	1	1	1.40E-04	4.60E-05	1.30E-05	1.00E-04	4.40E-04	3.30E-05	1.45E-04
85	Y	0.72	B	1	1	1.40E-04	4.60E-05	1.30E-05	1.00E-04	4.40E-04	3.30E-05	1.45E-04
86	N	1.44	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	N	1.44	B	1	0	1.40E-04	4.60E-05	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	Y	1.15	B	1	1	1.40E-04	4.60E-05	1.30E-05	1.61E-04	7.04E-04	5.28E-05	2.31E-04
89	Y	1.15	B	1	1	1.40E-04	4.60E-05	1.30E-05	1.61E-04	7.04E-04	5.28E-05	2.31E-04
90	Y	0.29	B	1	1	1.40						

**TSD Appendix A: Emission Calculations
Welding and Thermal Cutting**

**Company Name: OmniSource Indianapolis, LLC
Address City IN Zip: 2205 S. Holt Rd., Indianapolis, IN 46241
Significant Permit Revision No. : F097-33584-00580
Plt ID: 097-00580
Reviewer: Muhammad D. Khan
Date: 09/04/13**

FLAME CUTTING	Number of Stations	Max. Metal Thickness Cut (in.)	Max. Metal Cutting Rate (in./minute)	EMISSION FACTORS (lb pollutant/1,000 inches cut, 1" thick)*				EMISSIONS (lbs/hr)				HAPS (lbs/hr)
				PM = PM10	Mn	Ni	Cr	PM = PM10	Mn	Ni	Cr	
Oxypropane**	4	12	4	0.0815	0.0002		0.0002	0.939	0.002	0.000	0.002	0.005
EMISSION TOTALS												
Potential Emissions lbs/hr								0.94				0.00
Potential Emissions lbs/day								22.53				0.11
Potential Emissions tons/year								4.11				0.02

Methodology:

*Emission Factors are default values for carbon steel unless a specific electrode type is noted in the Process column.

**Since the torch cutting operation can cut metal of varying thickness at varying metal cutting rates, the worst case scenario (cutting of 12 inch thick metal at 4 inches/minute) was used to determine the potential to emit.

Cutting emissions, lb/hr: (# of stations)(max. metal thickness, in.)(max. cutting rate, in./min.)(60 min./hr.)(emission factor, lb. pollutant/1,000 in. cut, 1" thick)

Emissions, lbs/day = emissions, lbs/hr x 24 hrs/day

Emissions, tons/yr = emissions, lb/hr x 8,760 hrs/year x 1 ton/2,000 lbs.

**TSD Appendix A: Emission Calculations
Welding and Thermal Cutting**

**Company Name: OmniSource Indianapolis, LLC
Address City IN Zip: 2205 S. Holt Rd., Indianapolis, IN 46241
Significant Permit Revision No. : F097-33584-00580
Plt ID: 097-00580
Reviewer: Muhammad D. Khan
Date: 09/04/13**

PROCESS	Number of Stations	Max. electrode consumption per station (lbs/hr)	EMISSION FACTORS* (lb pollutant/lb electrode)				EMISSIONS (lbs/hr)				HAPS (lbs/hr)
			PM = PM10	Mn	Ni	Cr	PM = PM10	Mn	Ni	Cr	
WELDING											
Metal Inert Gas (MIG)(carbon steel)	3	0.56	0.0055	0.0005			0.009	0.001	0.000	0	0.001
Stick (E7018 electrode)	4	0.06	0.0211	0.0009			0.005	0.000	0.000	0	0.000
EMISSION TOTALS											
Potential Emissions lbs/hr							0.01				0.00
Potential Emissions lbs/day							0.34				0.03
Potential Emissions tons/year							0.06				0.00

Methodology:

*Emission Factors are default values for carbon steel unless a specific electrode type is noted in the Process column.

Cutting emissions, lb/hr: (# of stations)(max. metal thickness, in.)(max. cutting rate, in./min.)(60 min./hr.)(emission factor, lb. pollutant/1,000 in. cut, 1" thick)

Welding emissions, lb/hr: (# of stations)(max. lbs of electrode used/hr/station)(emission factor, lb. pollutant/lb. of electrode used)

Emissions, lbs/day = emissions, lbs/hr x 24 hrs/day

Emissions, tons/yr = emissions, lb/hr x 8,760 hrs/year x 1 ton/2,000 lbs.

**TSD Appendix A: Emission Calculations
Batch Drop Operations**

**Company Name: OmniSource Indianapolis, LLC
Source Address: 2205 S. Holt Rd., Indianapolis, IN 46241
Significant Permit Revision No. : F097-33584-00580
Source ID: 097-00580
Reviewer: Muhammad D. Khan
Date: 09/04/13**

Batch Drop Operations (AP-42 Section 13.2.4)

To estimate potential fugitive dust emissions from processing and handling of raw materials (batch or continuous drop operations), AP-42 emission factors for Aggregate Handling, Section 13.2.4 (fifth edition, 1/95) are utilized.

$$E_f = k \cdot (0.0032) \cdot (U/5)^{1.3} / (M/2)^{1.4}$$

where: E_f = Emission factor (lb/ton)

k (PM) =	<input type="text" value="0.74"/>	= particle size multiplier (0.74 assumed for aerodynamic diameter <=100 um)
k (PM10) =	<input type="text" value="0.35"/>	= particle size multiplier (0.35 assumed for aerodynamic diameter <=10 um)
k (PM2.5) =	<input type="text" value="0.053"/>	= particle size multiplier (0.053 assumed for aerodynamic diameter <=2.5 um)
U =	<input type="text" value="10.2"/>	= worst case annual mean wind speed (Source: NOAA, 2006**)
M =	<input type="text" value="11.0"/>	= material % moisture content of aggregate (Source: AP-42 Section 11.1.1.1)
E_f (PM) =	<input type="text" value="5.50E-04"/>	lb PM/ton of material handled
E_f (PM10) =	<input type="text" value="2.60E-04"/>	lb PM10/ton of material handled
E_f (PM2.5) =	<input type="text" value="3.94E-05"/>	lb PM2.5/ton of material handled

Unlimited Particulate Emissions

Maximum Material Handling Throughput =	<input type="text" value="300"/>	tons/hr
Maximum Material Handling Throughput =	<input type="text" value="2,628,000"/>	tons/yr

Type of Activity	PTE of PM (tons/yr)	PTE of PM10 (tons/yr)	PTE of PM2.5 (tons/yr)
Truck unloading of materials into storage piles	0.72	0.34	0.05
Dumping of materials into feeder bins	0.72	0.34	0.05
Unloading of crushed metal and fluff into storage piles*	0.61	0.29	0.04
Loading of crushed metal and fluff into trucks	0.72	0.34	0.05
Total (tons/yr)	2.78	1.32	0.20

Note:

*Unloading of crushed metal and fluff into storage piles based on 255 tons/hr. The Eddy Current Process potential to emit includes the PTE of 45 tons/hr to storage piles.

**Worst case annual mean wind speed (Indianapolis, IN) from "Comparative Climatic Data", National Climatic Data Center, NOAA, 2006

Methodology:

Maximum Material Handling Throughput (tons/yr) = Maximum throughput (300 tons/hr) * 8,760 hrs/yr

Unlimited Potential to Emit (tons/yr) = (Maximum Material Handling Throughput (tons/yr)) * (Emission Factor (lb/ton)) * (ton/2000 lbs)

**TSD Appendix A: Emission Calculations
Fugitive Dust Emissions - Paved Roads**

**Company Name: OmniSource Indianapolis, LLC
Address City IN Zip: 2205 S. Holt Rd., Indianapolis, IN 46241
Significant Permit Revision No.: F097-33584-00580
Plt ID: 097-00580
Reviewer: Muhammad D. Khan
Date: 09/04/13**

Paved Roads at Industrial Site

The following calculations determine the amount of emissions created by paved roads, based on 8,760 hours of use and AP-42, Ch 13.2.1 (11/2006).

Vehicle Information (provided by source)

Type	Maximum Weight Loaded (tons/trip)	Maximum one-way miles (miles/yr)
Vehicle	67.0	2000.0

Average Vehicle Weight Per Trip = tons/trip

Unmitigated Emission Factor, Ef = $[k * (sL/2)^{0.65} * (W/3)^{1.5} - C]$ (Equation 1 from AP-42 13.2.1)

	PM	PM10	PM2.5	
where k =	0.082	0.016	0.0024	lb/mi = particle size multiplier (AP-42 Table 13.2.1-1)
W =	67.0	67.0	67.0	tons = average vehicle weight (provided by source)
C =	0.00047	0.00047	0.00036	lb/mi = emission factor for vehicle exhaust, brake wear, and tire wear (AP-42 Table 13.2.1-2)
sL =	0.8	0.8	0.8	g/m ² = Ubiquitous Baseline Silt Loading Values of paved roads (Table 13.2.1-3 for summer months)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, Eext = $E * [1 - (p/4N)]$ (Equation 2 from AP-42 13.2.1)

Mitigated Emission Factor, Eext = $Ef * [1 - (p/4N)]$

where p =	125	days of rain greater than or equal to 0.01 inches (see Fig. 13.2.1-2)
N =	365	days per year

	PM	PM10	PM2.5	
Unmitigated Emission Factor, Ef =	4.770	0.930	0.1393	lb/mile
Mitigated Emission Factor, Eext =	4.362	0.851	0.1273	lb/mile

Process	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)
Vehicle	4.77	0.93	0.14	4.36	0.85	0.13

Methodology

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

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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 Indianapolis
7575 W Jefferson Blvd
Ft Wayne, IN 46804

DATE: March 7, 2014

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

SUBJECT: Final Decision
FESOP - Significant Permit Revision
097 - 33584 - 00580

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



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

March 7, 2014

TO: Wayne Township Public Library 198 South Girl School Rd. Indianapolis IN

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

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

Applicant Name: OmniSource Indianapolis
Permit Number: 097 - 33584 - 00580

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

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

Enclosures
Final Library.dot 6/13/2013



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Michael R. Pence
Governor

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Commissioner

TO: Interested Parties / Applicant

DATE: March 7, 2014

RE: OmniSource Indianapolis / 097 - 33584 - 00580

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

In order to conserve paper and reduce postage costs, IDEM's Office of Air Quality is now sending many permit decisions on CDs in Adobe PDF format. The enclosed CD contains information regarding the company named above.

This permit is also available on the IDEM website at:
<http://www.in.gov/ai/appfiles/idem-caats/>

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

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

Please Note: *If you feel you have received this information in error, or would like to be removed from the Air Permits mailing list, please contact Patricia Pear with the Air Permits Administration Section at 1-800-451-6027, ext. 3-6875 or via e-mail at PPEAR@IDEM.IN.GOV.*

Enclosures
CD Memo.dot 6/13/2013

Mail Code 61-53

IDEM Staff	LPOGOST 3/7/2014 OmniSource Indianapolis, LLC 097 - 33584 - 00580 final)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING	
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											Remarks
1		Brian Winters OmniSource Indianapolis, LLC 7575 W Jefferson Blvd Ft Wayne IN 46804 (Source CAATS) Via confirmed delivery									
2		Mr. David Hatchett Hatchett & Hauck 111 Monument Circle Suite 301 Indianapolis IN 46204 (Attorney)									
3		Matt Mosier Office of Sustainability City-County Bldg/200 E Washington St. Rm# 2460 Indianapolis IN 46204 (Local Official)									
4		Ms. Jaime K. Saylor Hatchett & Hauck 111 Monument Circle Ste. 301 Indianapolis IN 46204 (Consultant)									
5		Marion County Health Department 3838 N, Rural St Indianapolis IN 46205-2930 (Health Department)									
6		Indianapolis City Council and Mayors Office 200 East Washington Street, Room E Indianapolis IN 46204 (Local Official)									
7		Marion County Commissioners 200 E. Washington St. City County Bldg., Suite 801 Indianapolis IN 46204 (Local Official)									
8		Wayne Township Public Library 198 South Girl School Rd. Indianapolis IN 46231 (Library)									
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