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: September 17, 2013

RE: J. Trockman and Sons, Inc. / 163 - 33044 - 00123

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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New Source Review and Minor Source Operating Permit OFFICE OF AIR QUALITY

J. Trockman & Sons, Inc.
1017 Bayse Street
Evansville, Indiana 47714

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

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-5.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

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 MSOP under 326 IAC 2-6.1.

Operation Permit No.: M163-33044-00123	
Issued by: Jason R. Krawczyk, Section Chief Permits Branch Office of Air Quality	Issuance Date: September 17, 2013 Expiration Date: September 17, 2018

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 and A.2 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 2-5.1-3(c)][326 IAC 2-6.1-4(a)]

The Permittee owns and operates a stationary scrap automobile and metal processing plant.

Source Address:	1017 Bayse Street, Evansville, Indiana 47714
General Source Phone Number:	(812) 425-5271
SIC Code:	5093
County Location:	Vanderburgh
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source 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

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

(a) One (1) vehicle/metal shredding operation, identified as P001, constructed in 2003, capable of shredding a maximum of 24 tons per hour, consisting of;

(1) One (1) vehicle/metal shredder, electrically powered, using an integral water spray as fire/explosion suppression and particulate control, and exhausting to the ambient atmosphere;

(2) One (1) magnetic separator with a maximum throughput capacity of 24 tons/hr;

(3) One (1) non-ferrous trommel with a maximum throughput capacity of 6 tons/hr;

(4) One (1) system of conveyors for material handling.

(b) Two (2) diesel storage tanks, identified as Yard - Off Road Diesel Fuel and Truck - On Road Diesel Fuel, each with a capacity of 2000 gallons;

(c) One (1) gasoline storage tank, identified as Truck - Gasoline, with a capacity of 550 gallons

Under 40 CFR 63, Subpart CCCCCC, the gasoline fuel transfer and dispensing operation is considered an affected facility;

(d) Three (3) kerosene storage tanks, identified as Warehouse - Kerosene, Weld Shop - Kerosene, and Maintenance Shop - Kerosene, each with a capacity of 500 gallons;

(e) One (1) kerosene storage tank, identified as Yard - Kerosene, with a capacity of 300 gallons;

(f) One (1) used oil storage tank, identified as Maintenance Shop - Used Oil with a capacity of 550 gallons;

(g) Brazing, torch cutting, soldering and welding operation, consisting of;

(1) One (1) metal inert gas (MIG) welder;

(2) Five (5) stick welders;

(3) One (1) tungsten inert gas (TIG) welder; and

(4) Seven (7) oxyacetylene torch cutters.

(h) One (1) natural gas-fired water heater with a heat input of 40,000 Btu per hour.

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-1.1-1]

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 2-1.1-1) shall prevail.

B.2 Revocation of Permits [326 IAC 2-1.1-9(5)]

Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

B.3 Affidavit of Construction [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4]

This document shall also become the approval to operate pursuant to 326 IAC 2-5.1-4 when prior to the start of operation, the following requirements are met:

(a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed as described in the application or the permit. The emission units covered in this permit may continue operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM if constructed as described.

(b) If actual construction of the emission units differs from the construction described in the application, the source may not continue operation until the permit has been revised pursuant to 326 IAC 2 and an Operation Permit Validation Letter is issued.

(c) The Permittee shall attach the Operation Permit Validation Letter received from the Office of Air Quality (OAQ) to this permit.

B.4 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

(a) This permit, M163-33044-00123, 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.5 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.6 Enforceability

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.7 Severability

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.8 Property Rights or Exclusive Privilege

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

B.9 Duty to Provide Information

(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.10 Annual Notification [326 IAC 2-6.1-5(a)(5)]

(a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.

(b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:

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

(c) The notification 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.

B.11 Preventive Maintenance Plan [326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

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

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

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

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

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

The 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.

(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 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of permits established prior to M163-33044-00123 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.13 Termination of Right to Operate [326 IAC 2-6.1-7(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least one hundred twenty (120) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

B.14 Permit Renewal [326 IAC 2-6.1-7]

(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 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require an affirmation that the statements in the application are true and complete 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 one hundred twenty (120) days 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 2-6.1 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 2-6.1-4(b), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.15 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 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

(c) The Permittee shall notify the OAQ no later than thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

B.16 Source Modification Requirement

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

B.17 Inspection and Entry
[326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][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 permitted 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.18 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

(a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 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

The application which shall be submitted by the Permittee does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

B.19 Annual Fee Payment [326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees due no later than thirty (30) calendar days of receipt of a bill from IDEM, OAQ,.

(b) 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.20 Credible Evidence [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 2-6.1-5(a)(1)]

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

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

C.2 Permit Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to construct and operate may be revoked for any of the following causes:

(a) Violation of any conditions of this permit.

(b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.

(c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.

(d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.

(e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

C.3 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

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

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

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

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

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

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

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

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

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project.

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

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

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

Testing Requirements [326 IAC 2-6.1-5(a)(2)]

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

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

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

no later than thirty-five (35) days prior to the intended test date.

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date.

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]

C.10 Compliance Monitoring [326 IAC 2-1.1-11]

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

C.11 Instrument Specifications [326 IAC 2-1.1-11]

(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

C.12 Response to Excursions or Exceedances

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

(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.

Record Keeping and Reporting Requirements [326 IAC 2-6.1-5(a)(2)]

C.14 Malfunctions Report [326 IAC 1-6-2]

Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

(a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.

(b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.

(c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).

(d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.15 General Record Keeping Requirements [326 IAC 2-6.1-5]

(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. 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.16 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

(a) Reports required by conditions in Section D of 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

(b) 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.

(c) 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.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) vehicle/metal shredding operation, identified as P001, constructed in 2003, capable of shredding a maximum of 24 tons per hour, consisting of;

(1) One (1) vehicle/metal shredder, electrically powered, using an integral water spray as fire/explosion suppression and particulate control, and exhausting to the ambient atmosphere;

(2) One (1) magnetic separator with a maximum throughput capacity of 24 tons/hr;

(3) One (1) non-ferrous trommel with a maximum throughput capacity of 6 tons/hr;

(4) One (1) system of conveyors for material handling.

(b) Two (2) diesel storage tanks, identified as Yard - Off Road Diesel Fuel and Truck - On Road Diesel Fuel, each with a capacity of 2000 gallons;

(c) One (1) gasoline storage tank, identified as Truck - Gasoline, with a capacity of 550 gallons

Under 40 CFR 63, Subpart CCCCCC, the gasoline fuel transfer and dispensing operation is considered an affected facility;

(d) Three (3) kerosene storage tanks, identified as Warehouse - Kerosene, Weld Shop - Kerosene, and Maintenance Shop - Kerosene, each with a capacity of 500 gallons;

(e) One (1) kerosene storage tank, identified as Yard - Kerosene, with a capacity of 300 gallons;

(f) One (1) used oil storage tank, identified as Maintenance Shop - Used Oil with a capacity of 550 gallons;

(g) Brazing, torch cutting, soldering and welding operation, consisting of;

(1) One (1) metal inert gas (MIG) welder;

(2) Five (5) stick welders;

(3) One (1) tungsten inert gas (TIG) welder; and

(4) Seven (7) oxyacetylene torch cutters.

(h) One (1) natural gas-fired water heater with heat input of 40,000 Btu per hour

(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 2-6.1-5(a)(1)]

D.1.1 Best Available Control Technology (BACT) Avoidance Limit - VOC [326 IAC 8-1-6]

In order to render the requirements of 326 IAC 8-1-6 not applicable, the vehicle/metal shredder, shall be limited as follows:

(1) The material throughput to the vehicle/metal shredder, shall not exceed 199,200 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(2) VOC emissions from the vehicle/metal shredder, shall not exceed 0.25 lbs/ton of material throughput.

(3) The Permittee shall drain and remove (to the extent possible) 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-existance of VOC and VHAP containing fluids. Fluids shall include, but are not limited to, gasoline, motor oil, antifreeze, transmission oil, brake oil, power steering fluid, hydraulic fluid, and differential fluid.

Compliance with these limits shall limit the potential to emit VOC from the vehicle/metal shredder, to less than twenty five (25) tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 8-1-6 (New Facilities: General Reduction Requirements) not applicable.

D.1.2 Particulate Matter Limitations [326 IAC 6.5-1-2(a)]

Pursuant to 326 IAC 6.5-1-2(a) (Particulate Matter Limitations except Lake County), particulate emissions from the facilities listed in the table below, 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).

Emission Unit
Vehicle/Metal Shredder
Material Handling/Conveying System
Welding Activities
Torch Cutting

D.1.3 Preventive Maintenance Plan [326 IAC 1-6-3]

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

Compliance Determination Requirements

D.1.4 Particulate Matter

In order to ensure compliance with Condition D.1.1, the integral water spray injection system shall be in operation and control emissions from the vehicle/metal shredder at all times that the vehicle/metal shredder is in operation.

Record Keeping and Reporting Requirements [326 IAC 2-6.1-5(a)(2)]

D.1.5 Record Keeping Requirements

(a) To document the compliance status with Condition D.1.1, the Permittee shall maintain the following records:

(1) The material throughput to the vehicle/metal shredder each month and each compliance period;

(2) 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

(3) 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.1.6 Reporting Requirements

A quarterly summary of the information to document the compliance status with Condition D.1.1(a) shall be submitted using the reporting form located at the end of this permit, or its 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.

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(e) One (1) gasoline storage tank, identified as Truck - Gasoline, with a capacity of 550 gallons

Under 40 CFR 63, Subpart CCCCCC, the gasoline fuel transfer and dispensing operation, is considered an affected facility;

(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 2-6.1-5(a)(1)]

D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-4-6]

Pursuant to 326 IAC 8-4-6(b) and (c):

(a) No owner or operator of a gasoline dispensing facility shall allow the transfer of gasoline between any transport and any storage tank unless such tank is equipped with the following:

(1) A submerged fill pipe.

(2) Either a pressure relief valve set to release at no less than seven-tenths (0.7) pounds per square inch or an orifice of five-tenths (0.5) inch in diameter.

(3) A vapor balance system connected between the tank and the transport, operating according to manufacturer's specifications.

(b) If the owner or employees of the owner of a gasoline dispensing facility are not present during loading, it shall be the responsibility of the owner or the operator of the transport to make certain the vapor balance system is connected between the transport and the storage tank and is operating according to manufacturer's specifications.

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(h) One (1) natural gas-fired water heater with heat input of 40,000 Btu per hour

(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 2-6.1-5(a)(1)]

D.3.1 Particulate Matter (PM) [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4, the PM emissions from the one (1) natural gas-fired water heater shall not exceed 0.6 pound per million British thermal units (lb/MMBtu) heat input.

SECTION E.1 FACILITY OPERATION CONDITIONS

Emissions Unit Description:

(e) One (1) gasoline storage tank, identified as Truck - Gasoline, with a capacity of 550 gallons

Under 40 CFR 63, Subpart CCCCCC, the gasoline fuel transfer and dispensing operation, is considered an affected facility;

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

National Emission Standards for Hazardous Air Pollutants [326 IAC 20-1]

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

Pursuant to 40 CFR 63.11130, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1, for the gasoline fuel storage and dispensing operation, identified as Truck - Gasoline, as specified in Table 3 of 40 CFR 63, Subpart CCCCCC in accordance with the schedule in 40 CFR 63 Subpart CCCCCC.

E.1.2 NESHAP for Source Category: Gasoline Dispensing Facilities [40 CFR Part 63, Subpart CCCCCC]

The Permittee shall comply with the following provisions of 40 CFR 63, Subpart CCCCCC (included as Attachment A), for the fuel storage and dispensing operation:

(1) 40 CFR 63.11110
(2) 40 CFR 63.11111(a), (b), (e), (f), (h), (i), (j)
(3) 40 CFR 63.11112
(4) 40 CFR 63.11113(b), (e)(2), (f)(1)
(5) 40 CFR 63.11115(a)
(6) 40 CFR 63.11116(a)
(7) 40 CFR 63.11130
(8) 40 CFR 63.11131
(9) 40 CFR 63.11132
(10) Table 3

Indiana Department of Environmental Management
Office of Air Quality
Compliance and Enforcement Branch

MSOP Quarterly Report

Source Name: J. Trockman & Sons, Inc.
Source Address: 1017 Bayse Street, Evansville, IN 47714
MSOP Permit No.: M163-33044-00123
Facility: Vehicle/metal shredder
Parameter: Material Throughput
Limit: The material throughput to the vehicle/metal shredder, shall not exceed 199,200 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR:_____

Month	Column 1	Column 2	Column 1 + Column 2
	Material Throughput (tons)	Material Throughput (tons)	Material Throughput (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

MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

Company Name:	J. Trockman & Sons, Inc.
Address:	1017 Bayse Street
City:	Evansville, Indiana 47714
Phone #:	(812) 425-5271
MSOP #:	M163-33044-00123

I hereby certify that J. Trockman & Sons, Inc. is :
☐ still in operation.
☐ no longer in operation.

I hereby certify that J. Trockman & Sons, Inc. is :
☐ in compliance with the requirements of MSOP M163-33044-00123.
☐ not in compliance with the requirements of MSOP M163-33044-00123.

Authorized Individual (typed):
Title:
Signature:
Date:

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

Noncompliance:

MALFUNCTION REPORT

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
FAX NUMBER: (317) 233-6865

This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ?_____, 25 TONS/YEAR SULFUR DIOXIDE ?_____, 25 TONS/YEAR NITROGEN OXIDES?_____, 25 TONS/YEAR VOC ?_____, 25 TONS/YEAR HYDROGEN SULFIDE ?_____, 25 TONS/YEAR TOTAL REDUCED SULFUR ?_____, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ?_____, 25 TONS/YEAR FLUORIDES ?_____, 100 TONS/YEAR CARBON MONOXIDE ?_____, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?_____, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?_____, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?_____, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?_____. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION _____.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC _____ OR, PERMIT CONDITION # _____ AND/OR PERMIT LIMIT OF _____

THIS INCIDENT MEETS THE DEFINITION OF "MALFUNCTION" AS LISTED ON REVERSE SIDE ? Y N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ? Y N

COMPANY:_____PHONE NO. ( )_____
LOCATION: (CITY AND COUNTY)_____
PERMIT NO. _____ AFS PLANT ID: _____ AFS POINT ID: _____ INSP:_____
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON:_____
_____

DATE/TIME MALFUNCTION STARTED: _____/_____/ 20____ _____ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _____

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE_____/_____/ 20____ _____ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER:_____

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____
_____

MEASURES TAKEN TO MINIMIZE EMISSIONS:_____
_____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL* SERVICES:_____
CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS:_____
CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT:_____
INTERIM CONTROL MEASURES: (IF APPLICABLE)_____
_____
_____

MALFUNCTION REPORTED BY:_____TITLE:_____
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY:_____DATE:_____TIME:_____
*SEE PAGE 2

Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

326 IAC 1-6-1 Applicability of rule

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

326 IAC 1-2-39 "Malfunction" definition

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

***Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

_____
_____

Mail to: Permit Administration and Support Section

Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

J. Trockman & Sons, Inc.
1017 Bayse Street
Evansville, Indiana 47714

Affidavit of Construction

I, _____, being duly sworn upon my oath, depose and say:
(Name of the Authorized Representative)

1. I live in _____ County, Indiana and being of sound mind and over twenty-one (21) years of age, I am competent to give this affidavit.

2. I hold the position of _____ for _____.
(Title) (Company Name)

3. By virtue of my position with _____, I have personal
(Company Name)
knowledge of the representations contained in this affidavit and am authorized to make these representations on behalf of _____.
(Company Name)

4. I hereby certify that J. Trockman & Sons, Inc. 1017 Bayse Street, Evansville, Indiana 47714, has constructed and will operate the scrap automobile and metal processing plant in conformity with the requirements and intent of the permit application received by the Office of Air Quality on April 4, 2013 and as permitted pursuant to New Source Construction Permit and Minor Source Operating Permit No. M163-33044-00123, Plant ID No. 163-00123 issued on _____.

5. **Permittee, please cross out the following statement if it does not apply:** Additional (operations/facilities) were constructed/substituted as described in the attachment to this document and were not made in accordance with the construction permit.

Further Affiant said not.

I affirm under penalties of perjury that the representations contained in this affidavit are true, to the best of my information and belief.

Signature_____
Date_____

STATE OF INDIANA)
)SS

COUNTY OF _____)

Subscribed and sworn to me, a notary public in and for _____ County and State of Indiana

on this _____ day of _____, 20 _____. My Commission expires: _____.

Signature_____
Name_____ (typed or printed)

Attachment A to
Minor Source Operating Permit
No. M0163-33044-00123

J. Trockman and Sons, Inc.
1017 Bayse Street
Evansville, Indiana 47714

40 CFR 63, Subpart CCCCCC (6C)

National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities

Electronic Code of Federal Regulations

Title 40: Protection of Environment

Part 63, Subpart CCCCCC—National Emission 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 § 63.11115(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 § 63.11115(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:
	$Pf = 2e^{-500.887/v}$
	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; extensions, notifications	Yes, specific requirements given in § 63.11111.
§ 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.

Citation	Subject	Brief description	Applies to subpart CCCCCC
§ 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 Existing Area Sources That Become Major	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)	No.
§ 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.

Citation	Subject	Brief description	Applies to subpart CCCCCC
§ 63.6(h)(5)(i), (iii)-(v)	Conducting Opacity/VE Observations	Dates and schedule for conducting opacity/VE observations	No.
§ 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 adjust an opacity standard	No.
§ 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.

Citation	Subject	Brief description	Applies to subpart CCCCCC
§ 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 change, or alternative to a test method	Yes.
§ 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.

Citation	Subject	Brief description	Applies to subpart CCCCCC
§ 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 operational status before or at performance test	No.
§ 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.

Citation	Subject	Brief description	Applies to subpart CCCCCC
§ 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 Using CMS	Notification of performance evaluation; notification about use of COMS data; notification that exceeded criterion for relative accuracy alternative	Yes, however, there 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 of Compliance Status	Yes.
§ 63.10(b)(3)	Records	Applicability determinations	Yes.
§ 63.10(c)	Records	Additional records for CMS	No.

Citation	Subject	Brief description	Applies to subpart CCCCCC
§ 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 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, § 63.11130(K) specifies excess emission events for this subpart.
§ 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.

Citation	Subject	Brief description	Applies to subpart CCCCCC
§ 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

Technical Support Document (TSD) for a New Source Review and Minor Source Operating Permit (MSOP)

Source Description and Location

Source Name:	**J. Trockman & Sons, Inc.**
Source Location:	**1017 Bayse Street, Evansville, IN 47714**
County:	**Vanderburgh**
SIC Code:	**5093 (Scrap & Waste Materials)**
Operation Permit No.:	**M163-33044-00123**
Permit Reviewer:	**Tamera Wessel**

On April 4, 2013, the Office of Air Quality (OAQ) received an application from J. Trockman & Sons, Inc. related to the continued operation of an existing scrap automobile and metal processing plant and transition from an Exemption to a MSOP. On February 7, 2002, J. Trockman & Sons, Inc. was reclassified to an Exempt Operating Status in E163-15369-00123. Since that time, IDEM, OAQ was provided VOC stack test data for vehicle/metal shredders from a similar source in Jackson, Michigan. Based on the stack test data, J. Trockman & Sons, Inc.'s vehicle/metal shredder, has the potential to emit VOC emissions greater than twenty-five (25) tons per year and the source would therefore no longer qualify to operate under an Exempt Operating Status.

Existing Approvals

The source has been operating under Exemption No. 163-15369-00123, issued on February 7, 2002.

Due to this application, the source is transitioning from an Exemption to a MSOP.

County Attainment Status

The source is located in Vanderburgh County.

Pollutant	Designation
SO_2	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O_3	Attainment effective January 30, 2006, for the Evansville area, including Vanderburgh County, 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	Not designated.

[1]Attainment effective October 18, 2000, for the 1-hour ozone standard for the Evansville area, including Vanderburgh 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 October 27, 2011, for PM2.5.

(a) Ozone Standards

Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) 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 NOx emissions are considered when evaluating the rule applicability relating to ozone. Vanderburgh County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) $PM_{2.5}$
Vanderburgh 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 $PM_{2.5}$ and SO_2 emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

(c) Other Criteria Pollutants
Vanderburgh 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

(a) The fugitive emissions of criteria pollutants and hazardous air pollutants are counted toward the determination of 326 IAC 2-6.1 (Minor Source Operating Permits) applicability.

(b) 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.

Background and Description of Emission Units

The Office of Air Quality (OAQ) has reviewed an application, submitted by J. Trockman & Sons, Inc. on April 4, 2013, related to the continued operation of an existing scrap automobile and metal processing plant and transition from an Exemption to a MSOP.

The source consists of the following emission unit(s):

(a) One (1) vehicle/metal shredding operation, identified as P001, constructed in 2003, capable of shredding a maximum of 24 tons per hour, consisting of;

(1) One (1) vehicle/metal shredder, electrically powered, using an integral water spray as fire/explosion suppression and particulate control, and exhausting to the ambient atmosphere;

(2) One (1) magnetic separator with a maximum throughput capacity of 24 tons/hr;

(3) One (1) non-ferrous trommel with a maximum throughput capacity of 6 tons/hr;

(4) One (1) system of conveyors for material handling.

(b) Two (2) diesel storage tanks, identified as Yard - Off Road Diesel Fuel and Truck - On Road Diesel Fuel, each with a capacity of 2000 gallons;

(c) One (1) gasoline storage tank, identified as Truck - Gasoline, with a capacity of 550 gallons

Under 40 CFR 63, Subpart CCCCCC, the gasoline fuel transfer and dispensing operation is considered an affected facility;

(d) Three (3) kerosene storage tanks, identified as Warehouse - Kerosene, Weld Shop - Kerosene, and Maintenance Shop - Kerosene, each with a capacity of 500 gallons;

(e) One (1) kerosene storage tank, identified as Yard - Kerosene, with a capacity of 300 gallons;

(f) One (1) used oil storage tank, identified as Maintenance Shop - Used Oil with a capacity of 550 gallons;

(g) Brazing, torch cutting, soldering and welding operation, consisting of;

(1) One (1) metal inert gas (MIG) welder;

(2) Five (5) stick welders;

(3) One (1) tungsten inert gas (TIG) welder; and

(4) Seven (7) oxyacetylene torch cutters.

(h) One (1) natural gas-fired water heater with a heat input of 40,000 Btu per hour.

"Integral Part of the Process" Determination

The applicant has requested the water spray injection system should be considered an integral part of the vehicle/metal shredder:

> The material input to the vehicle/metal shredder consists primarily of automobile bodies. These junk vehicle bodies typically contain flammable materials including "fluff" which consists of nonmetallic car parts, i.e. dashboards, upholstery, carpeting, etc. The high speed action of the rotary hammermill in the shredder creates high instantaneous temperatures in the shredder. The simultaneous presence of flammable materials and ignition sources may result in fires and explosions.
>
> Much of the effectiveness of the water spray injection system relates to the control of oxygen and temperature in the shredding chamber. The constant operation of the water spray injection system prevents fires and explosion. Fires and explosions, if allowed to occur, would damage the shredding machine and would also result in shutdown of the process. Therefore, the water spray injection system serves a primary purpose other than pollution control.

IDEM, OAQ has evaluated the information submitted and agrees that the water spray injection system should be considered an integral part of the vehicle/metal shredding process. This determination is based on the fact that the primary purpose of the water spray injection system is to prevent fires and explosions. Therefore, the permitting level will be determined using the potential to emit after the water spray injection system. Operating conditions in the proposed permit will specify that the water spray injection system shall operate at all times when the vehicle/metal shredder is in operation.

Enforcement Issues

IDEM is aware that J. Trockman & Sons, Inc. should have obtained a MSOP to operate the vehicle/metal shredder, instead of an Exemption. IDEM is reviewing this matter and will take the appropriate action. This draft MSOP contains provisions to bring the source into compliance with construction and operation permit rules.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – MSOP

The following table reflects the unlimited potential to emit (PTE) fugitive and non-fugitive emissions of the entire source before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	Greater than 25, Less than 100
PM10[(1)]	Less than 25
PM2.5	Less than 25
SO_2	Less than 25
NO_x	Less than 25
VOC	Greater than 25, Less than 100
CO	Less than 25
GHGs as CO_2e	Less than 100,000

(1) 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".

HAPs	Potential To Emit (tons/year)
Worst Single HAP (Toluene)	Less than 10
Combined HAPs	Less than 25

(a) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) of VOC and PM is less than one hundred (100) tons per year, but greater than or equal to twenty-five (25) tons per year. The PTE of all other regulated criteria pollutants are less than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-6.1. A Minor Source Operating Permit (MSOP) will be issued.

(b) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) of any single HAP is less than ten (10) tons per year and the PTE of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-7.

(c) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) greenhouse gases (GHGs) is less than the Title V subject to regulation threshold of one hundred thousand (100,000) tons of CO_2 equivalent emissions (CO_2e) per year. Therefore, the source is not subject to the provisions of 326 IAC 2-7.

PTE of the Entire Source After Issuance of the MSOP

The table below summarizes the potential to emit of the entire source after issuance of this MSOP, reflecting all limits, of the emission units.

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of MSOP (tons/year)									
	PM	PM10*	PM2.5	SO_2	NOx	VOC	CO	GHGs as CO_2e**	Total HAPs	Worst Single HAP
Shredder	4.01	4.01	4.01	0.00	0.00	24.90	0.00	0.00	3.26	0.83 (Toluene)
Magnetic Separator	0.01	Negl.	Negl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Non-Ferrous Trommel	0.06	0.02	Negl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Material Handling	0.69	0.25	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Welding Operations	5.24	5.24	5.24	0.00	0.00	0.00	0.00	0.00	0.14	0.14 (Mn)
Combustion	Negl.	Negl.	Negl.	Negl.	0.02	Negl.	0.01	20.74	Negl.	Negl.
Gas Dispensing	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.01	0.004 (Xylene)
Diesel Dispensing	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
Tanks	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
Drop Operations	0.17	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paved Roads	18.20	3.64	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total PTE of Entire Source	**28.37**	**13.24**	**10.40**	**0.00**	**0.02**	**25.96**	**0.01**	**20.74**	**4.41**	**0.83 (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
*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 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.

In order to render the requirements of 326 IAC 8-1-6 not applicable, the vehicle/metal shredder shall be limited as follows:

(a) The material throughput to the vehicle/metal shredder shall not exceed 199,200 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(b) VOC emissions from the vehicle/metal shredder shall not exceed 0.25 lbs/ton of material throughput.

(c) 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.

Compliance with these limits shall limit the potential to emit VOC from the vehicle/metal shredder to less than twenty five (25) tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 8-1-6 (New Facilities: General Reduction Requirements) not applicable.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

(a) The requirements of the New Source Performance Standard (NSPS) for Metallic Mineral Processing Plants, 40 CFR 60, Subpart LL (326 IAC 12), are not included in the permit since the source does not meet the definition of a metallic mineral processing plant, as defined in 40 CFR 60.381. The source operates a metal recycling facility and does not produce metallic mineral concentrates from ore.

(b) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

(c) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Secondary Nonferrous Metals Processing Area Sources, 40 CFR 63, Subpart TTTTTT, are not included in the permit, since the source does not engage in secondary nonferrous metals processing as defined in 40 CFR 63.11472.

(d) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Primary Nonferrous Metals Area Sources - Zinc, Cadmium, and Beryllium, 40 CFR 63, Subpart GGGGGG, are not included in the permit, since this source is not a primary zinc production facility or primary beryllium production facility. The source is a metal recycling facility.

(e) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Nine Metal Fabrication and Finishing Source Categories, 40 CFR 63, Subpart XXXXXX, are not included in the permit since the source is not primarily engaged in operations which are classified in one of the nine source categories listed in 40 CFR 63.11514(a)(1) through (9).

(f) The source is subject to the National Emission Standard for Hazardous Air Pollutants (NESHAPs) for Source Category: Gasoline Dispensing Facilities, 40 CFR 63, Subpart CCCCCC because the source has a gas dispensing facility (GDF) and is considered an area source of HAPs.

The facilities subject to this rule include the following:

(e) One (1) gasoline storage tank, identified as truck - gasoline, with a capacity of 550 gallons.

Under 40 CFR 63, Subpart CCCCCC, the gasoline fuel transfer and dispensing operation is considered an affected facility. [40 CFR 63, Subpart CCCCCC]

Applicable portions of the NESHAP are the following:

(1) 40 CFR 63.11110
(2) 40 CFR 63.11111(a), (b), (e), (f), (h), (i), (j)
(3) 40 CFR 63.11112
(4) 40 CFR 63.11113(b), (e)(2), (f)(1)
(5) 40 CFR 63.11115(a)
(6) 40 CFR 63.11116(a)
(7) 40 CFR 63.11130
(8) 40 CFR 63.11131
(9) 40 CFR 63.11132
(10) Table 3

(g) There are no other National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in the permit.

Compliance Assurance Monitoring (CAM)

(h) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the unlimited potential to emit of the source is 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 source:

(a) 326 IAC 2-6.1 (Minor Source Operating Permits (MSOP))
MSOP applicability is discussed under the Permit Level Determination – MSOP section above.

(b) 326 IAC 2-2 (Prevention of Significant Deterioration(PSD))
This source is not a major stationary source, under PSD (326 IAC 2-2), because the potential to emit of all attainment regulated criteria pollutants are less than 250 tons per year, the potential to emit greenhouse gases (GHGs) is less than 100,000 tons of CO_2e per year, and this source is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1). Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

(c) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The potential to emit of any single HAP is less than ten (10) tons per year and the potential to emit of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-4.1.

(d) 326 IAC 2-6 (Emission Reporting)
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.

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

(1) 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.

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

(f) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source 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.

(g) 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
The source is not subject to the requirements of 326 IAC 6-5, because the paved roadways have potential fugitive particulate emissions less than 25 tons per year.

(h) 326 IAC 12 (New Source Performance Standards)
See Federal Rule Applicability Section of this TSD.

(i) 326 IAC 20 (Hazardous Air Pollutants)
See Federal Rule Applicability Section of this TSD.

Vehicle/Metal Shredding

(j) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(c)(3), the requirements of 326 IAC 6-3 shall not apply if a more stringent limit under 326 IAC 6.5 has been established. The particulate emissions from the vehicle/metal shredder are subject to a more stringent limit in 326 IAC 6.5. Therefore, the requirements of 326 IAC 6-3 are not applicable.

(k) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County
Pursuant to 326 IAC 6.5-1-2(a), particulate emissions from the vehicle/metal shredder 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)).

(l) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The unlimited VOC potential emissions from the vehicle/metal shredder are greater than twenty-five (25) tons per year. However, the source shall limit the VOC potential emissions from the vehicle/metal shredder to less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 8-1-6 do not apply.

In order to render the requirements of 326 IAC 8-1-6 not applicable, the vehicle/metal shredder shall be limited as follows:

(1) The material throughput to the vehicle/metal shredder shall not exceed 199,200 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(2) VOC emissions from the vehicle/metal shredder, shall not exceed 0.25 lbs/ton of material throughput.

(3) 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.

Compliance with these limits shall limit the potential to emit VOC from the vehicle/metal shredder to less than twenty five (25) tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 8-1-6 (New Facilities: General Reduction Requirements) not applicable.

Material Handling/Conveying System

(m) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(c)(3), the requirements of 326 IAC 6-3 shall not apply if a more stringent limit under 326 IAC 6.5 has been established. The particulate emissions from the material handling/conveying system are subject to a more stringent limit in 326 IAC 6.5. Therefore, the requirements of 326 IAC 6-3 are not applicable.

(n) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County
Pursuant to 326 IAC 6.5-1-2(a), particulate emissions from the material handling/conveying system 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)).

Welding Activities

(o) 326 IAC 6-3 (Particulate Matter Emission Limitations from Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(c)(3), the requirements of 326 IAC 6-3 shall not apply if a more stringent limit under 326 IAC 6.5 has been established. The particulate emissions from the welding activities are subject to a more stringent limit in 326 IAC 6.5. Therefore, the requirements of 326 IAC 6-3 are not applicable.

(p) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County
Pursuant to 326 IAC 6.5-1-2(a), particulate emissions from the welding activities 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)).

Torch Cutting

(q) 326 IAC 6-3 (Particulate Matter Emission Limitations from Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(b)(10), the torch cutting operations are not subject to the requirements of 326 IAC 6-3, since each cuts less than three thousand four hundred (3,400) inches per hour of stock one (1) inch thickness or less.

(r) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County
Pursuant to 326 IAC 6.5-1-2(a), particulate emissions from the torch cutting operations 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)).

Gasoline Transfer and Dispensing

(s) 326 IAC 8-4-6 (VOC Rules: Gasoline dispensing facilities)
Pursuant to 326 IAC 8-4-6(a)(8), this source meets the definition of "gasoline dispensing facility" as it dispenses gasoline into motor vehicle fuel tanks from a storage tank with a capacity of more than 250 gallons. Diesel fuel and kerosene however, are not considered to be motor vehicle fuels.

Pursuant to 326 IAC 8-4-6(b) and (c):

(a) No owner or operator of a gasoline dispensing facility shall allow the transfer of gasoline between any transport and any storage tank unless such tank is equipped with the following:

(1) A submerged fill pipe.

(2) Either a pressure relief valve set to release at no less than seven-tenths (0.7) pounds per square inch or an orifice of five-tenths (0.5) inch in diameter.

(3) A vapor balance system connected between the tank and the transport, operating according to manufacturer's specifications.

(b) If the owner or employees of the owner of a gasoline dispensing facility are not present during loading, it shall be the responsibility of the owner or the operator of the transport to make certain the vapor balance system is connected between the transport and the storage tank and is operating according to manufacturer's specifications.

(t) 326 IAC 8-4-9 (VOC Rules: Leaks from transports and vapor collection systems; records)
Pursuant to 326 IAC 8-4-9(a)(1), all vapor balance systems and vapor control systems at sources subject to 326 IAC 8-4-6 shall be subject to 326 IAC 8-4-9 if they have a capacity of two thousand (2,000) gallons or more. The gasoline storage capacity of the source is 550 gallons. Therefore, the requirements of 326 IAC 8-4-9 do not apply.

Natural Gas Fired Water Heater

(u) 326 IAC 6-2 (Particulate Emission Limitations for Sources of Indirect Heating)
The natural gas-fired water heater is subject to 326 IAC 6-2-4(a) because the heater was constructed after September 21, 1983. Pursuant to 326 IAC 6-2-4(a), particulate emissions from indirect heating facilities shall be limited to the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

Where: Pt = Pounds of particulate matter emitted per million Btu (lb/mmBtu) heat input.
Q = Total source maximum operating capacity rating in million Btu per hour (mmBtu/hr) heat input.

For Q less than 10 million Btu per hour (MMBtu/hr), Pt shall not exceed 0.60. The water heater has a maximum operating capacity of 0.04 MMBtu/hr. Therefore, particulate matter (PM) emissions from the water heater shall not exceed 0.60 pounds per million Btu (lbs/MMBtu).

The AP-42 natural gas combustion emission factor for PM is 0.00186 lb/MMBtu (1.9 lb/MMCF / 1020 MMBtu/MMCF), which is less than the 326 IAC 6-2-4 PM emission limit for the water heater. Therefore, the water heater is able to comply with the applicable 326 IAC 6-2-4 PM emission limit without the use of a control device.

(v) 326 IAC 6-3 (Particulate Emissions Limitations)
The natural gas-fired water heater is exempt from the requirements of 326 IAC 6-3, because, pursuant to 326 IAC 1-2-59, liquid and gaseous fuels and combustion air are not considered as part of the process weight. In addition, pursuant to 326 IAC 6-3-1(b)(14), the natural gas-fired water heater is also exempt from the requirements of 326 IAC 6-3, because they have potential particulate emissions of less than five hundred fifty one thousandths (0.551) pound per hour, each.

(w) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
Pursuant to 326 IAC 6.5-1-2(b), particulate matter emissions limitations shall not be established for combustion units that burn only natural gas. Therefore, the requirements of 326 IAC 6.5 are not applicable.

(x) 326 IAC 7-1.1-1 (Sulfur Dioxide Emissions Limitations)
326 IAC 7-1.1-1 (Sulfur Dioxide Emissions Limitations) does not apply because the natural gas-fired water heater does not have the potential to emit twenty-five (25) tons per year or ten (10) pounds per hour of sulfur dioxide.

(y) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The natural gas-fired water heater is not subject to the requirements of 326 IAC 8-1-6, since the unlimited VOC potential emissions from the natural gas-fired water heater are less than twenty-five (25) tons per year.

(z) 326 IAC 9-1-1 (Carbon Monoxide Emission Limits)
The natural gas-fired water heater is not subject to 326 IAC 9-1-1 (Carbon Monoxide Emission Limits) because there is no applicable emission limits for the source under 326 IAC 9-1-2.

(aa) 326 IAC 10-1-1 (Nitrogen Oxides Control)
The natural gas-fired water heater is not subject to 326 IAC 10-1-1 (Nitrogen Oxides Control) because the source is not located in Clark or Floyd counties.

Compliance Determination, Monitoring and Testing Requirements

(a) The compliance determination and/or monitoring requirements applicable to this source are as follows:

(1) The integral water spray injection system shall be in operation and control emissions from the vehicle/metal shredder at all times that the vehicle/metal shredder is in operation.

(b) There are no testing requirements applicable to this source.

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 April 4, 2013.

The operation of this source shall be subject to the conditions of the attached proposed New Source Review and MSOP No. M163-33044-00123. The staff recommends to the Commissioner that this New Source Review and MSOP be approved.

IDEM Contact

(a) Questions regarding this proposed permit can be directed to Tamera Wessel at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-8530 or toll free at 1-800-451-6027 extension 4-8530.

(b) A copy of the findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/

(c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.in.gov/idem

SUMMARY OF EMISSIONS

Company Name: J. Trockman & Sons, Inc.
Source Address: 1017 Bayse Street, Evansville, Indiana 47714
Permit Number: M163-33044-00123
Plt ID: 163-00123
Reviewer: Tamera Wessel
Date: April 4, 2012

Uncontrolled Emissions (Tons/Yr) (Non-Fugitive)

Pollutant	Vehicle/Metal Shredder*	Magnetic Separator	Non-Ferrous Trommel	Conveyors	Welding Operations	Combustion	Gas Dispensing	Diesel Dispensing	Tanks**	Total (Non-Fugitive)
PM	4.24	0.01	0.06	0.69	5.24	3.26E-04	-	-		10.23
PM10	4.24	4.84E-03	0.02	0.25	5.24	1.31E-03	-	-		9.75
PM2.5	4.24	1.37E-03	1.31E-03	0.24	5.24	1.31E-03	-	-		9.71
VOC	26.28	-	-	-	-	9.45E-04	0.04	0.01	1.00	27.34
NOx	-	-	-	-	-	0.02	-	-		0.02
SO2	-	-	-	-	-	1.03E-04	-	-		0.00
CO	-	-	-	-	-	0.01	-	-		0.01
CO2e	-	-	-	-	-	20.74	-	-		20.74
Single HAP (Toluene)	0.88	-	-	-	0.14	3.09E-04	3.97E-03	-		0.88
Combined HAPs	3.44	-	-	-	0.14	3.24E-04	0.01	-		3.59

Uncontrolled Emissions (Tons/Yr) (Fugitive)

Drop (Fugitive)	Paved (Fugitive)	Total (Fugitive)
0.17	18.20	18.36
0.08	3.64	3.72
0.01	0.89	0.91
-	-	0.00
-	-	0.00
-	-	0.00
-	-	0.00
-	-	0.00
-	-	0.00
-	-	0.00

Note:
*Vehicle/Metal Shredder emissions based on 100% automobiles being shredded.
**VOC conservatively estimated to be 1.0 ton per year for the diesel and kerosene storage tanks

Controlled Emissions (Tons/Yr) (Non-Fugitive)

Pollutant	Vehicle/Metal Shredder*	Magnetic Separator	Non-Ferrous Trommel	Conveyors	Welding Operations	Combustion	Gas Dispensing	Diesel Dispensing	Tanks**	Total (Non-Fugitive)
PM	4.24	0.01	0.06	0.69	5.24	3.26E-04	-	-	-	10.23
PM10	4.24	4.84E-03	0.02	0.25	5.24	1.31E-03	-	-	-	9.75
PM2.5	4.24	1.37E-03	1.31E-03	0.24	5.24	1.31E-03	-	-	-	9.71
VOC	26.28	-	-	-	-	9.45E-04	0.04	0.01	1.00	27.34
NOx	-	-	-	-	-	0.02	-	-	-	0.02
SO2	-	-	-	-	-	1.03E-04	-	-	-	0.00
CO	-	-	-	-	-	0.01	-	-	-	0.01
CO2e	-	-	-	-	-	20.74	-	-	-	20.74
Single HAP (Toluene)	0.88	-	-	-	-	3.09E-04	3.97E-03	-	-	0.88
Combined HAPs	3.44	-	-	-	0.14	3.24E-04	0.01	-	1.00	4.59

Controlled Emissions (Tons/Yr) (Fugitive)

Drop (Fugitive)	Paved (Fugitive)	Total (Fugitive)
0.17	18.20	18.36
0.08	3.64	3.72
0.01	0.89	0.91
-	-	0.00
-	-	0.00
-	-	0.00
-	-	0.00
-	-	0.00
-	-	0.00
-	-	0.00

Note:
*Vehicle/Metal Shredder emissions based on 100% automobiles being shredded.
**VOC conservatively estimated to be 1.0 tons per year for the diesel and kerosene storage tanks. Assumed VOC = HAP.

Limited Emissions (Tons/Yr) (Non-Fugitive)

Pollutant	Vehicle/Metal Shredder*	Magnetic Separator	Non-Ferrous Trommel	Conveyors	Welding Operations	Combustion	Gas Dispensing	Diesel Dispensing	Tanks**	Total (Non-Fugitive)
PM	4.01	0.01	0.06	0.69	5.24	3.26E-04	-	-	-	10.01
PM10	4.01	4.84E-03	0.02	0.25	5.24	1.31E-03	-	-	-	9.53
PM2.5	4.01	1.37E-03	1.31E-03	0.24	5.24	1.31E-03	-	-	-	9.49
VOC	24.90	-	-	-	-	9.45E-04	0.04	0.01	1.00	25.96
NOx	-	-	-	-	-	0.02	-	-	-	0.02
SO2	-	-	-	-	-	1.03E-04	-	-	-	0.00
CO	-	-	-	-	-	0.01	-	-	-	0.01
CO2e	-	-	-	-	-	20.74	-	-	-	20.74
Single HAP (Toluene)	0.83	-	-	-	0.14	3.09E-04	3.97E-03	-	-	0.83
Combined HAPs	3.26	-	-	-	0.14	3.24E-04	0.01	-	1.00	4.41

Limited Emissions (Tons/Yr) (Fugitive)

Drop (Fugitive)	Paved (Fugitive)	Total (Fugitive)
0.17	18.20	18.36
0.08	3.64	3.72
0.01	0.89	0.91
-	-	0.00
-	-	0.00
-	-	0.00
-	-	0.00
-	-	0.00
-	-	0.00
-	-	0.00

Note:
*In order to render the requirements of 326 IAC 8-1-6 (New Facilities; General Reduction Requirements) VOC emissions from the vehicle/metal shredder shall not exceed 24.90 tons per twelve (12) consecutive month period.
**VOC conservatively estimated to be 1.0 tons per year for the diesel and kerosene storage tanks. Assumed VOC = HAP.

Appendix A: Emissions Calculations
Unlimited Vehicle/Metal Shredder Emissions

Company Name: J. Trockman & Sons, Inc.
Source Address: 1017 Bayse Street, Evansville, Indiana 47714
Permit Number: M163-33044-00123
Plt ID: 163-00123
Reviewer: Tamera Wessel
Date: April 4, 2012

Particulate Emissions

Process Description	Maximum Capacity	Particulate Emission Factor	PTE of PM/PM10/PM2.5	
	(tons/hr)	(lbs/ton)	(lb/hr)	(tons/yr)
Vehicle/Metal Shredder	24	0.0403	0.9672	**4.24**

Note:
Material is wetted with an integral water spray injection system to minimize explosion and fire hazards.
The emission factor for the shredder is from the Institute of Scrap Recycling Industries, Inc. "Title V Applicability Workbook" Appendix D, Table D-10.E for dry milling of an 80% Auto & 20% Scrap throughput mixture.
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	VOC Emission Factor		Auto PTE of VOC		Sheet PTE of VOC	
		Auto	Sheet				
	(tons/hr)	(lbs/ton)	(lbs/ton)	(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)
Vehicle/Metal Shredder	24	0.25	0.14	6.00	**26.28**	3.36	14.72

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 being processsed.

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
	Maximum Capacity	Hexane	Benzene	MIBK	Trichloroethene	Toluene	Ethylbenzene	m,p-Xylenes	Styrene	o-Xylene	Cumene	Napthalene	Isooctane	Cadmium	Chromium	Lead	PCB's
Process Description	(tons/hr)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)
Vehicle/Metal Shredder	24	0.0037	0.0019	0.0002	0.0005	0.0083	0.0019	0.0068	0.0009	0.0025	0.0002	0.0002	0.00543	1.16E-06	1.28E-06	7.89E-06	0.0000873
		Hexane	Benzene	MIBK	Trichloroethene	Toluene	Ethylbenzene	m,p-Xylenes	Styrene	o-Xylene	Cumene	Napthalene	Isooctane	Cadmium	Chromium	Lead	PCB's
		(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)
		0.39	**0.20**	**0.03**	**0.06**	**0.88**	**0.20**	**0.71**	**0.09**	**0.26**	**0.02**	**0.02**	**0.57**	**0.00**	**0.00**	**0.00**	**0.01**

Combined HAPS: **3.44**

HAP Emissions (Sheet Shredding)

		Organic HAPs																
	Maximum Capacity	Chloromethane	1,3 Butadiene	Acrolein	Dichloroethene	Hexane	Benzene	Trichloroethene	Methyl Methacrylate	MIBK	Toluene	Ethylbenzene	m,p-Xylenes	Styrene	o-Xylene	Cumene	1,4 Dichlorobenzene	Naphthalene
Process Description	(tons/hr)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)
Vehicle/Metal Shredder	24	0.00002	0.00003	0.00003	0.00006	0.00077	0.00025	0.00004	0.00007	0.00054	0.00241	0.00075	0.00261	0.00039	0.00103	0.00010	0.00004	0.00020
		Chloromethane	1,3 Butadiene	Acrolein	Dichloroethene	Hexane	Benzene	Trichloroethene	Methyl Methacrylate	MIBK	Toluene	Ethylbenzene	m,p-Xylenes	Styrene	o-Xylene	Cumene	1,4 Dichlorobenzene	Naphthalene
		(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)
		0.00	0.00	0.00	0.01	0.08	0.03	0.00	0.01	0.06	0.25	0.08	0.27	0.04	0.11	0.01	0.00	0.02

Combined HAPS: 0.98

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 being processsed.
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

Appendix A: Emissions Calculations
Limited Vehicle/Metal Shredder Emissions

Company Name: J. Trockman & Sons, Inc.
Source Address: 1017 Bayse Street, Evansville, Indiana 47714
Permit Number: M163-33044-00123
Plt ID: 163-00123
Reviewer: Tamera Wessel
Date: April 4, 2012

Particulate Emissions

Process Description	Maximum Allowable Scrap Throughput to	Particulate Emission Factor	PTE of PM/PM10/PM2.5	
	(tons/yr)	(lbs/ton)	(lb/hr)	(tons/yr)
Vehicle/Metal Shredder	199200	0.0403	0.92	**4.01**

Note:
Material is wetted with an integral water spray injection system to minimize explosion and fire hazards.
The emission factor for the shredder is from the Institute of Scrap Recycling Industries, Inc. "Title V Applicability Workbook" Appendix D, Table D-10.E for dry milling of an 80% Auto & 20% Scrap throughput mixture.
Maximum capacity = 90 tons/hr.
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	VOC Emission Factor		Maximum Allowable Auto Throughput to Avoid BACT	Auto PTE of VOC		Maximum Allowable Scrap Throughput to Avoid BACT	Sheet / Scrap PTE of VOC	
	Auto	Sheet / Scrap						
	(lbs/ton)	(lbs/ton)	(tons/yr)	(lb/hr)	(ton/yr)	(tons/yr)	(lb/hr)	(ton/yr)
Vehicle/Metal Shredder	0.25	0.14	199200	5.68	**24.90**	199200	3.18	**13.94**

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 being processsed.
In order to avoid 326 IAC 8-1-6 (BACT), the source as agreed to limit VOC emissions to less than 24.9 tons per (12) twelve consecutive month period.
Maximum capacity = 90 tons/hr.

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

HAP Emissions (Auto Shredding)

Process Description	Maximum Allowable Throughput to	Organic HAPs: Hexane	Benzene	MIBK	Trichloroethylene	Toluene	Ethylbenzene	m,p-Xylenes	Styrene	o-Xylene	Cumene	Napthalene	Isooctane	Metal HAPs: Cadmium	Chromium	Lead	Polychlorinated Biphenyls: PCB's
		(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)
Vehicle/Metal Shredder	199200	0.0037	0.0019	0.0002	0.0005	0.0083	0.0019	0.0068	0.0009	0.0025	0.0002	0.0002	0.00543	#########	#########	#########	0.00008730

Hexane	Benzene	MIBK	Trichloroethylene	Toluene	Ethylbenzene	m,p-Xylenes	Styrene	o-Xylene	Cumene	Napthalene	Isooctane	Cadmium	Chromium	Lead	PCB's
(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)
0.37	**0.19**	**0.02**	**0.05**	**0.83**	**0.19**	**0.68**	**0.08**	**0.25**	**0.02**	**0.02**	**0.54**	**0.00**	**0.00**	**0.00**	**0.01**

Combined HAPS: **3.26**

HAP Emissions (Sheet/Scrap Shredding)

Process Description	Maximum Allowable Throughput to	Organic HAPs: Chloromethane	1,3 Butadiene	Acrolein	Dichloroethene	Hexane	Benzene	Trichloroethylene	Methyl Methacrylate	MIBK	Toluene	Ethylbenzene	m,p-Xylenes	Styrene	o-Xylene	Cumene	1,4 Dichlorobenzene	Naphthalene
		(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/ton)
Vehicle/Metal Shredder	199200	0.00002	0.00003	0.00003	0.00006	0.00077	0.00025	0.00004	0.00007	0.00054	0.00241	0.00075	0.00261	0.00039	0.00103	0.00010	0.00004	0.00020

Chloromethane	1,3 Butadiene	Acrolein	Dichloroethene	Hexane	Benzene	Trichloroethylene	Methyl Methacrylate	MIBK	Toluene	Ethylbenzene	m,p-Xylenes	Styrene	o-Xylene	Cumene	1,4 Dichlorobenzene	Naphthalene
(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)
1.64E-03	2.74E-03	3.29E-03	6.13E-03	0.08	2.45E-02	3.84E-03	6.68E-03	0.05	0.24	0.07	0.26	0.04	0.10	9.78E-03	3.83E-03	1.97E-02

Combined HAPS: 0.93

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 being processsed.
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 Allowable Throughput to Avoid BACT (tons/yr) * HAP (lbs/ton) / 2000 lbs

Appendix A: Emissions Calculations
Magnetic Separator Particulate Emissions

Company Name: J. Trockman & Sons, Inc.
Source Address: 1017 Bayse Street, Evansville, Indiana 47714
Permit Number: M163-33044-00123
Plt ID: 163-00123
Reviewer: Tamera Wessel
Date: April 4, 2012

Unlimited Particulate Matter Emissions

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 (lb/hr)	Unlimited PTE of PM (tons/yr)	Unlimited PTE of PM10 (lb/hr)	Unlimited PTE of PM10 (tons/yr)	Unlimited PTE of PM2.5 (lb/hr)	Unlimited PTE of PM2.5 (tons/yr)
Magnetic Separator - wet*	1	24	1.40E-04	4.60E-05	1.30E-05	0.00	0.01	1.10E-03	4.84E-03	3.12E-04	1.37E-03
					Potential Emissions:		**0.01**		**4.84E-03**		**1.37E-03**

Note:
Emissions from magnetic separation 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 spray injection system on the vehicle/metal shredder is considered an integral control device. This system leaves the items downstream wet. Therefore controlled emission factors are used for these conveyor transfer points.

Methodology:
Unlimited PTE (lb/hr) = 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

Appendix A: Emissions Calculations
Non-ferrous Trommel Particulate Emissions

Company Name: J. Trockman & Sons, Inc.
Source Address: 1017 Bayse Street, Evansville, Indiana 47714
Permit Number: M163-33044-00123
Plt ID: 163-00123
Reviewer: Tamera Wessel
Date: April 4, 2012

Unlimited Particulate Matter Emissions

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 (lb/hr)	Unlimited PTE of PM (tons/yr)	Unlimited PTE of PM10 (lb/hr)	Unlimited PTE of PM10 (tons/yr)	Unlimited PTE of PM2.5 (lb/hr)	Unlimited PTE of PM2.5 (tons/yr)
Non-ferrous Trommel - wet	1	6	2.20E-03	7.40E-04	5.00E-05	0.01	0.06	4.44E-03	0.02	3.00E-04	1.31E-03
					Potential Emissions:		**0.06**		**0.02**		**1.31E-03**

Note:
Emissions from the trommel are calculated using emission factors for crushed stone screening from AP-42, Chapter 11.19, Table 11.19.2-2 (SCC 3-05-020-06) (8/04) .

Methodology:
Unlimited PTE (lb/hr) = 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
Limited PTE (lb/hr) = Maximum Capacity (tons/hr) * Emission Factor (lbs/ton)
Limited PTE (tons/yr) = Number of Emission Points * Maximum Allowable Throughput to Avoid BACT (tons/yr) * Emission Factor (lbs/ton) * 1 ton / 2,000 lbs

Appendix A: Emissions Calculations
Conveyor Particulate Emissions

Company Name: J. Trockman & Sons, Inc.
Source Address: 1017 Bayse Street, Evansville, Indiana 47714
Permit Number: M163-33044-00123
Plt ID: 163-00123
Reviewer: Tamera Wessel
Date: April 4, 2012

Unlimited Particulate Matter Emissions

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 (lb/hr)	Unlimited PTE of PM (tons/yr)	Unlimited PTE of PM10 (lb/hr)	Unlimited PTE of PM10 (tons/yr)	Unlimited PTE of PM2.5 (lb/hr)	Unlimited PTE of PM2.5 (tons/yr)
Crane load-in to infeed conveyor - dry**	1	24	3.00E-03	1.10E-03	1.10E-03	0.07	0.32	2.64E-02	0.12	2.64E-02	0.12
Feeder Conveyor to Shredder - dry**	1	24	3.00E-03	1.10E-03	1.10E-03	0.07	0.32	2.64E-02	0.12	2.64E-02	0.12
Drop from Shredder to Shaker Table - wet*	1	24	1.40E-04	4.60E-05	1.30E-05	0.00	0.01	1.10E-03	0.00	3.12E-04	0.00
Drop onto belt #1- wet*	1	24	1.40E-04	4.60E-05	1.30E-05	0.00	0.01	1.10E-03	0.00	3.12E-04	0.00
Drop onto electromagnetic drum- wet*	1	24	1.40E-04	4.60E-05	1.30E-05	0.00	0.01	1.10E-03	0.00	3.12E-04	0.00
ASR Seperator load-in- wet*	1	6	1.40E-04	4.60E-05	1.30E-05	0.00	0.00	2.76E-04	0.00	7.80E-05	0.00
Eddy Current 1 and 2 load-in-wet*	1	6	1.40E-04	4.60E-05	1.30E-05	0.00	0.00	2.76E-04	0.00	7.80E-05	0.00
Drop to eddy current (1) belt-wet*	1	3	1.40E-04	4.60E-05	1.30E-05	0.00	0.00	1.38E-04	0.00	3.90E-05	0.00
Drop to eddy current (2) belt-wet*	1	3	1.40E-04	4.60E-05	1.30E-05	0.00	0.00	1.38E-04	0.00	3.90E-05	0.00
					Potential Emissions:		**0.69**		**0.25**		**0.24**

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 spray 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

Appendix A: Emissions Calculations
Welding and Thermal Cutting

Company Name: J. Trockman & Sons, Inc.
Address City IN Zip: 1017 Bayse Street, Evansville, Indiana 47714
Permit Number: M163-33044-00123
Plt ID: 163-00123
Reviewer: Tamera Wessel
Date: April 4, 2012

PROCESS	Number of Stations	Max. electrode consumption per station (lbs/hr)		EMISSION FACTORS* (lb pollutant/lb electrode)				EMISSIONS (lbs/hr)				HAPS (lbs/hr)
WELDING				PM = PM10	Mn	Ni	Cr	PM = PM10	Mn	Ni	Cr	
Metal Inert Gas (MIG)(carbon steel)	1	5		0.0055	0.0005			0.028	0.003	0.000	0	0.003
Stick (E7018 electrode)	5	5		0.0211	0.0009			0.528	0.023	0.000	0	0.023
Tungsten Inert Gas (TIG)(carbon steel	1	5		0.0055	0.0005			0.028	0.003	0.000	0	0.003
	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)
FLAME CUTTING				PM = PM10	Mn	Ni	Cr	PM = PM10	Mn	Ni	Cr	
Oxyacetylene	7	18	0.5	0.1622	0.0005	0.0001	0.0003	0.613	0.002	0.000	0.001	0.003
EMISSION TOTALS												
Potential Emissions lbs/hr								1.20				0.03
Potential Emissions lbs/day								28.69				0.74
Potential Emissions tons/year								5.24				0.14

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

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100

Company Name: J. Trockman & Sons, Inc.
Address City IN Zip: 1017 Bayse Street, Evansville, Indiana 47714
Permit Number: M163-33044-00123
Plt ID: 163-00123
Reviewer: Tamera Wessel
Date: April 4, 2012

Heat Input Capacity MMBtu/hr	HHV mmBtu / mmscf	Potential Throughput MMCF/yr
0.04	1020	0.3

	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons	3.3E-04	1.3E-03	1.3E-03	1.0E-04	1.7E-02	9.4E-04	1.4E-02

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

HAPS Calculations

	HAPs - Organics					
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	**Total - Organics**
Emission Factor in lb/MM	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	
Potential Emission in tons	3.607E-07	2.061E-07	1.288E-05	3.092E-04	5.840E-07	**3.232E-04**

	HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel	**Total - Metals**
Emission Factor in lb/MM	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons	8.59E-08	1.89E-07	2.40E-07	6.53E-08	3.61E-07	**9.41E-07**
					Total HAPs	**3.24E-04**
Methodology is the same as above.					**Worst HAP**	**3.09E-04**

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 Gas Calculations

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MM	120,000	2.3	2.2
Potential Emission in tons	21	0.0	0.0
Summed Potential Emissions in tons/yr	21		
CO2e Total in tons/yr	21		

Methodology
The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.
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).

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

Company Name: J. Trockman & Sons, Inc.
Address City IN Zip: 1017 Bayse Street, Evansville, Indiana 47714
Permit Number: M163-33044-00123
Permit Reviewer: Tamera Wessel
Date: April 4, 2012

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 =	10.0	gallons/day
Gasoline Throughput =	3.65	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	0.0210
Tank breathing and emptying	1.00	0.0018
Vehicle refueling (displaced losses - uncontrolled)	11.00	0.0201
Spillage	0.70	0.0013
	Total	**0.044**

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	PTE of HAP (tons/yr)
1,3-Butadiene	106-99-0	3.70E-5%	1.6E-06
2,2,4-Trimethylpentane	540-84-1	2.40%	1.1E-03
Benzene	71-43-2	1.90%	8.4E-04
Ethylbenzene	100-41-4	1.70%	7.5E-04
Methyl-tert-butylether	1634-04-4	0.33%	1.5E-04
Naphthalene	91-20-3	0.25%	1.1E-04
n-Hexane	110-54-3	2.40%	1.1E-03
Toluene	108-88-3	8.10%	3.6E-03
Total Xylenes	1330-20-7	9.00%	4.0E-03
	Total PTE of HAPs (tons/yr)		**0.01**
	PTE of Worst Single HAP (tons/yr)		**4.0E-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 - Emission Calculations
Fuel-Dispensing Operations
VOC Emissions from Diesel Fuel Only

Company Name: J. Trockman & Sons, Inc.
Address City IN Zip: 1017 Bayse Street, Evansville, Indiana 47714
Permit Number: M163-33044-00123
Permit Reviewer: Tamera Wessel
Date: April 4, 2012

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)

For diesel fuel:

S =	1.45	Throughput =	2500	gal/year
P =	0.009	Uncontrolled Emissions =	0.0997	lb/year
M =	130		4.99E-05	tons/year
T =	530			
LL =	0.039883755	lb/kgal		
	3.98838E-05	lb/gal		

2. Vehicle 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 =	2.5	kgal
E =	27.5	lb/year
	0.01375	tons/year

Summary

Diesel

Loading Emissions	4.98547E-05	
Refueling Emissions	0.01375	
	0.01	**Total Diesel VOC Emissions (tons/yr)**

Appendix A: Emissions Calculations
Batch Drop Operations

Company Name: J. Trockman & Sons, Inc.
Source Address: 1017 Bayse Street, Evansville, Indiana 47714
Permit Number: M163-33044-00123
Source ID: 163-00123
Reviewer: Tamera Wessel
Date: April 4, 2012

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.

Ef = k*(0.0032)*[(U/5)^1.3 / (M/2)^1.4]

where:

Ef =	Emission factor (lb/ton)	
k (PM) =	0.74	= particle size multiplier (0.74 assumed for aerodynamic diameter <=100 um)
k (PM10) =	0.35	= particle size multiplier (0.35 assumed for aerodynamic diameter <=10 um)
k (PM2.5) =	0.053	= particle size multiplier (0.053 assumed for aerodynamic diameter <=2.5 um)
U =	8.0	= worst case annual mean wind speed (Source: NOAA, 2011*)
M =	11.0	= material % moisture content of aggregate (Source: AP-42 Section 11.1.1.1)
Ef (PM) =	4.01E-04	lb PM/ton of material handled
Ef (PM10) =	1.90E-04	lb PM10/ton of material handled
Ef (PM2.5) =	2.87E-05	lb PM2.5/ton of material handled

Unlimited Particulate Emissions

Maximum Material Handling Throughput =	24	tons/hr
Maximum Material Handling Throughput =	210,240	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	0.04	0.02	0.00
Dumping of materials into feeder bins	0.04	0.02	0.00
Unloading of crushed metal and fluff into storage pile	0.04	0.02	0.00
Loading of crushed metal and fluff into trucks	0.04	0.02	0.00
Total (tons/yr)	**0.17**	**0.08**	**0.01**

Methodology:
Maximum Material Handling Throughput (tons/yr) = Maximum throughput (90 tons/hr) * 8,760 hrs/yr
Maximum Allowable Throughput to Avoid BACT = 355,714 tons/yr
UnlimitedPotential to Emit (tons/yr) = (Maximum Material Handling Throughput (tons/yr)) * (Emission Factor (lb/ton)) * (ton/2000 lbs)
*Worst case annual mean wind speed (Evansville, IN) from "Comparative Climatic Data", National Climatic Data Center, NOAA, 2011

Appendix A: Emission Calculations
Fugitive Dust Emissions - Paved Roads

Company Name: J. Trockman & Sons, Inc
Source Address: 1017 Bayse Street, Evansville, Indiana 47714
Permit Number: M163-33044-00123
Source ID: 163-00123
Reviewer: Tamera Wessel
Date: April 4, 2012

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 (1/2011).

Vehicle Informtation (provided by source)

Average Vehicle Weight Per Trip =	5.0	tons/trip
Average Miles Per Year =	87000.00	miles/year

Unmitigated Emission Factor, Ef = [k * (sL)^0.91 * (W)^1.02] (Equation 1 from AP-42 13.2.1)

	PM	PM10	PM2.5	
where k =	0.011	0.0022	0.00054	lb/VMT = particle size multiplier (AP-42 Table 13.2.1-1)
W =	5.0	5.0	5.0	tons = average vehicle weight (provided by source)
sL =	9.7	9.7	9.7	g/m^2 = silt loading value for paved roads at iron and steel production facilities - Table 13.2.1-3)

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 =	100	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 =	0.449	0.090	0.0220	lb/mile
Mitigated Emission Factor, Eext =	0.418	0.084	0.0205	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)	PTE of PM2.5 (tons/yr)
Paved Emissions	19.53	3.91	0.96	18.20	3.64	0.89

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)

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

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Governor

Thomas W. Easterly
Commissioner

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

TO: Jeff Trockman
J. Trockman and Sons, Inc.
P.O. Box 682
Evansville, IN 47704

DATE: September 17, 2013

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

SUBJECT: Final Decision
New Construction MSOP
163 - 33044 - 00123

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:
Graham P. McRedmond W.Z. Baumgartner & Associates
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.

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September 17, 2013

TO: Evansville - Vanderburgh Public Library 840 E. Chandler Avenue Evansville IN

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

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

Applicant Name: **J. Trockman and Sons, Inc.**
Permit Number: **163 - 33044 - 00123**

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

Mail Code 61-53

IDEM Staff	LPOGOST 9/17/2013 J. Trockman and Sons, Inc. 163 - 33044 - 00123 /final)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: **CERTIFICATE OF MAILING ONLY**

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2		Vanderburgh County Commissioners 1 NW MLK Blvd, Rm 305 Evansville IN 47708 *(Local Official)*									
3		Mr. Don Mottley Save Our Rivers 6222 Yankeetown Hwy Boonville IN 47601 *(Affected Party)*									
4		Vanderburgh County Health Dept. 420 Milberry Street Evansville IN 47713-1888 *(Health Department)*									
5		Kim Sherman 3355 Woodview Drive Newburgh IN 47630 *(Affected Party)*									
6		Mr. Mark Wilson Evansville Courier & Press P.O. Box 268 Evansville IN 47702-0268 *(Affected Party)*									
7		Evansville - Vanderburgh Public Library 840 E. Chandler Avenue Evansville IN 47713 *(Library)*									
8		Evansville EPA 100 E. Walnut St. Suite 100, Newsome Center Evansville IN 47713 *(Local Official)*									
9		David Boggs 216 Western Hills Dr Mt Vernon IN 47620 *(Affected Party)*									
10		Melinda Paul HSMF, LLC 12835 Saint Wendel Road Evansville IN 47720 *(Affected Party)*									
11		John Blair 800 Adams Ave Evansville IN 47713 *(Affected Party)*									
12		Graham P. McRedmond W.Z. Baumgartner & Associates, Inc. PO Box 680369 Franklin TN 37068 *(Consultant)*									
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