

MEMORANDUM

TO: Interested Parties / Applicant

FROM: John B. Chavez, Administrator
Office of Environmental Services

SUBJECT: Notice of Decision - **Approval**
FESOP # F097-13884-00111

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, 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, ISTA Building, 150 W. Market Street, Suite 618, Indianapolis, IN 46204, within fifteen (15) days from the date of receipt 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. (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 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 consideration at any hearing; (6) identification of the terms and conditions which, in the judgement 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.

Pursuant to IC 4-21.5-3-5(d), the Office of Environmental Adjudication will provide you with notice of any prehearing conferences, preliminary hearing, hearings, stays, or orders disposing of the review of this decision if a written request is submitted to the Office of Environmental Adjudication at the above address. If you have procedural or scheduling questions regarding your petition, you may contact the Office of Environmental Adjudication at 317-232-8591. If you have any other questions regarding the enclosed document, please contact the Office of Air Quality (OAQ) at 317-233-0178.

Attachment (Federally Enforceable State Operating Permit and Technical Support Document)

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

**INDIANA DEPARTMENT OF ENVIRONMENTAL
MANAGEMENT
and
CITY OF INDIANAPOLIS
OFFICE OF ENVIRONMENTAL SERVICES**

**Capitol City Metals, LLC
311 South Shelby Street
Indianapolis, Indiana 46202**

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F097-13884-00111	
Originally Signed by: John B. Chavez, Administrator Office of Environmental Services on April 9, 2003	Issuance Date: April 10, 2003 Expiration Date: April 10, 2008

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- C.18 Emission Statement [326 IAC 2-6] [326 IAC 2-8-4(3)]
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Stratospheric Ozone Protection

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Fluff / Metal Separator and Shredder Operations

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- D.1.1 Particulate Matter 10 Microns (PM10) FESOP Limit [326 IAC 2-8]
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- D.1.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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- D.1.4 Operating Parameters
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Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

- D.1.8 Record Keeping Requirements

Certification Form

Emergency Occurrence Form

Quarterly Deviation and Compliance Monitoring Report Form

SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a metal shredding plant.

Authorized individual:	General Manager
Source Address:	311 South Shelby Street, Indianapolis, Indiana
Mailing Address:	311 South Shelby Street, Indianapolis, Indiana
General Source Phone:	(317)634-7175
SIC Code:	5093
Source Location Status:	Marion
Source Status:	Attainment for all criteria pollutants Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD; Minor Source, Section 112 of the Clean Air Act

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

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

One (1) metal shredding operation with a maximum capacity of producing 66 tons/hr of metal, consisting of the following :

- (a) One (1) metal / fluff separation cascade, identified as 0001, with emissions controlled by a cyclone, and exhausting at stack #1, installed June 1991.
- (b) One (1) shredder operation, identified as 0002, with emissions controlled by cyclone and a scrubber, and exhausting at stack #2, installed June 1991.

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

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

Paved and unpaved roads and parking lots with public access.

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

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

A.5 Prior Permits Superseded [326 IAC 2-1.1-9.5]

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

(3) deleted

by this permit.

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

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [IC 13]

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

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

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

B.3 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5]

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

B.4 Enforceability [326 IAC 2-8-6]

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

- (b) Unless otherwise stated, all terms and conditions in this permit that are local requirements, including any provisions designed to limit the source's potential to emit, are enforceable by OES.

B.5 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]

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

B.6 Severability [326 IAC 2-8-4(4)]

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

B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

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

B.8 Duty to Supplement and Provide Information [326 IAC 2-8-3(f)] [326 IAC 2-8-4(5)(E)] [326 IAC 2-8-5(a)(4)]

- (a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis Office of Environmental Services
2700 South Belmont Avenue,
Indianapolis, Indiana 46221

The submittal by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall furnish to IDEM, OAQ, and OES within a reasonable time, any information that IDEM, OAQ, and OES may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ and OES copies of records required to be kept by this permit.
- (c) 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.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

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

B.10 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]

- (a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:
 - (1) Enforcement action;
 - (2) Permit termination, revocation and reissuance, or modification; and
 - (3) Denial of a permit renewal application.
- (b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- (c) An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

B.11 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an authorized individual of truth, accuracy, and completeness. This certification, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.
- (c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.12 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source’s compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover

the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis Office of Environmental Services
2700 South Belmont Avenue,
Indianapolis, Indiana 46221

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

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.13 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs), including the following information on each facility:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) The Permittee shall implement the PMPs as necessary to ensure that failure to implement a PMP does not cause or contribute to a violation of any limitation on emissions or potential to emit.
- (c) A copy of the PMPs shall be submitted to IDEM, OAQ, and OES upon request and

within a reasonable time, and shall be subject to review and approval by IDEM, OAQ, and OES. IDEM, OAQ, and OES may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or contributes to any violation. The PMP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (d) Records of preventive maintenance shall be retained for a period of at least five (5) years. These records shall be kept at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the OES Administrator makes a request for records to the Permittee, the Permittee shall furnish the records to the Administrator within a reasonable time.

B.14 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, and OES within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

IDEM, OAQ:

Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section) or,

Telephone No.: 317-233-5674 (ask for Compliance Section)

Facsimile No.: 317-233-5967

OES:

Telephone No.: 317-327-2234

Facsimile No.: 317-327-2274

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis Office of Environmental Services
2700 South Belmont Avenue,
Indianapolis, Indiana 46221

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

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

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

The notification which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis Office of Environmental Services
2700 South Belmont Avenue,
Indianapolis, Indiana 46221

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

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

- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if the OES determines any of the following:
- (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by the OES to reopen and revise this permit shall follow the same

procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]

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

B.17 Permit Renewal [326 IAC 2-8-3(h)]

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

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, IN 46206-6015

and

City of Indianapolis Office of Environmental Services
2700 South Belmont Avenue,
Indianapolis, Indiana 46221

- (b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]
- (1) A timely renewal application is one that is:
- (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
- (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ and OES on or before the date it is due.
- (2) If IDEM, OAQ and OES upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.
- (c) Right to Operate After Application for Renewal [326 IAC 2-8-9]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ and OES takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ and OES, any additional information identified as needed to process the application.

B.18 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis Office of Environmental Services
2700 South Belmont Avenue,
Indianapolis, Indiana 46221

Any such application shall be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.19 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

(a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without prior permit revision, if each of the following conditions is met:

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

(2) Any approval required by 326 IAC 2-8-11.1 has been obtained;

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

(4) The Permittee notifies the:
Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis Office of Environmental Services
2700 South Belmont Avenue,
Indianapolis, Indiana 46221

and

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

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

- (5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review.

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

- (b) **Emission Trades [326 IAC 2-8-15(c)]**
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (c) **Alternative Operating Scenarios [326 IAC 2-8-15(d)]**
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

B.20 Permit Revision Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2]

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

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis Office of Environmental Services
2700 South Belmont Avenue,
Indianapolis, Indiana 46221

The application which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action, or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4320 (ask for OAQ, I/M & Billing Section), to determine the appropriate permit fee.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

- (a) Pursuant to 326 IAC 2-8:
- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall also make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) and 326 IAC 2-3 (Emission Offset) not applicable;
 - (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
 - (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.
- (b) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.
- (c) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.2 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

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

C.6 Operation of Equipment [326 IAC 2-8-5(a)(4)]

Except as otherwise provided by statute, rule or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

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

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

C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
- (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3). All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis Office of Environmental Services
2700 South Belmont Avenue,
Indianapolis, Indiana 46221

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1 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) **Indiana Accredited Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited is federally enforceable.

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

C.9 Performance Testing [326 IAC 3-6]

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

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis Office of Environmental Services
2700 South Belmont Avenue,
Indianapolis, Indiana 46221

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

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

Compliance Requirements [326 IAC 2-1.1-11]

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

The commissioner or OES 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 OES or the commissioner or the U. S. EPA.

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

C.11 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented upon issuance of this permit. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment.

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

C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.13 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]

- (a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.
- (b) Whenever a condition in this permit requires the measurement of a flow rate, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.
- (c) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one pH point.
- (d) The Permittee may request the IDEM, OAQ and OES approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.

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

C.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis Office of Environmental Services
2700 South Belmont Avenue,
Indianapolis, Indiana 46221

within ninety (90) days from the date of issuance of this permit. The ERP does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) If the ERP is disapproved by IDEM, OAQ and OES, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAQ and OES that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

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

If a regulated substance, subject to 40 CFR 68, is present at a source in more than a threshold quantity, 40 CFR 68 is an applicable requirement and the Permittee shall submit:

- (a) A compliance schedule for meeting the requirements of 40 CFR 68; or
- (b) As a part of the annual compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP);

All documents submitted pursuant to this condition shall include the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

C.16 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-8-4] [326 IAC 2-8-5]

- (a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ and OES upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and is comprised of:
 - (1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected time frame for taking reasonable response steps.
 - (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the

Permittee shall amend its Compliance Response Plan to include such response steps taken.

- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
 - (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or
 - (2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.
 - (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, the IDEM, OAQ shall be promptly notified of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.
 - (4) Failure to take reasonable response steps shall constitute a violation of the permit.
- (c) The Permittee is not required to take any further response steps for any of the following reasons:
 - (1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.
 - (3) An automatic measurement was taken when the process was not operating.
 - (4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.
- (d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.
- (e) The Permittee shall record all instances when response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- (f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

**C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4]
[326 IAC 2-8-5]**

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The documents submitted pursuant to this condition do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

C.18 Emission Statement [326 IAC 2-6] [326 IAC 2-8-4(3)]

- (a) The Permittee shall submit an emission statement certified pursuant to the requirements of 326 IAC 2-6. This statement must be received in accordance with the compliance schedule specified in 326 IAC 2-6-3 and must comply with the minimum requirements specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8). The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis Office of Environmental Services
2700 South Belmont Avenue,
Indianapolis, Indiana 46221

The emission statement does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

C.19 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

- (a) Records of all required data, reports and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the OES Administrator makes a request

for records to the Permittee, the Permittee shall furnish the records to the OES Administrator within a reasonable time.

- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.20 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

- (a) The source shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC2-1.1-1(1).

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis Office of Environmental Services
2700 South Belmont Avenue,
Indianapolis, Indiana 46221

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ and OES on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) Reporting periods are based on calendar years.

Stratospheric Ozone Protection

C.21 Compliance with 40 CFR 82 and 326 IAC 22-1

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

- (a) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156
- (b) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

One (1) metal shredding operation with a maximum capacity of producing 66 tons/hr of metal, consisting of the following:

- (a) One (1) metal / fluff separation cascade, identified as 0001, with emissions controlled by a cyclone, and exhausting at stack #1, installed June 1991.
- (b) One (1) shredder operation, identified as 0002, with emissions controlled by cyclone and a scrubber, and exhausting at stack #2, installed June 1991.

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

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

D.1.1 Particulate Matter 10 Microns (PM10) FESOP Limit [326 IAC 2-8]

The PM10 emissions from the metal/fluff cascade separator and the shredder shall be limited to less than 100 tons per twelve (12) consecutive month period with compliance determined end of each month. The control equipment shall be in operation at all times the metal / fluff separation and shredder processes are in operation, to comply with this limit.

D.1.2 Particulate Emissions [326 IAC 6-1-2(a)]

The particulate matter emissions from the metal/fluff cascade separator and the shredder shall each be limited to 0.03 grains per dry standard cubic of exhaust gas.

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

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and any control devices.

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

D.1.4 Operating Parameters

- (a) The Permittee shall monitor and record the scrubber water flow rate at least once per shift when the process is in operation. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the scrubber water flow rate shall be maintained at a minimum flow rate of 80 gallons per minute or a range established during a valid stack test which documents compliance with the PM10 limits in Condition D.1.1. The Preventive Maintenance Plan for this unit shall contain troubleshooting contingency and corrective actions for when the scrubber water flow is outside the aforementioned range for any one reading.
- (b) The Permittee shall monitor and record the fan amperage on the fan(s) controlling the air flow rate to the control devices at least once per shift when the process is in operation. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the fan motor amperage shall be maintained within a range 125 to 150 amps or a range established during a valid stack test which documents compliance with the PM10 limits in Condition D.1.1. The Preventive Maintenance Plan for this unit shall contain troubleshooting contingency and corrective actions for when the amperage is outside the aforementioned range for any one reading.
- (c) The instruments used for measuring the scrubber water flow rate and fan amperage shall be subject to approval by OES and/or IDEM-OAQ, and shall be calibrated at least every six months.

D.1.5 Cyclone Inspections

An inspection shall be performed each calendar quarter of all cyclones controlling shredding and metal/fluff separation operations when venting to the atmosphere. A cyclone inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors.

D.1.6 Cyclone Failure Detection

In the event that cyclone failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records and Reports, shall be considered a violation of this permit.

D.1.7 Visible Emissions Notation

- (a) Visible emission notations of the metal / fluff separation cascade stack exhaust no. 0001 and of the shredder stack exhaust no. 0002 shall be performed once per shift, during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Preventive Maintenance Plan for these unit shall contain troubleshooting contingency and corrective actions for when an abnormal emission is observed.

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

D.1.8 Record Keeping Requirements

- (a) To document compliance with condition D.1.4, the permittee shall maintain daily records of the following operational parameters during normal operation:
 - (i) Induced draft fan motor(s) current consumption in amperes for stack exhaust no. 0001 and stack exhaust no. 0002;
 - (ii) Scrubber water flow rate in gallons per minute; and
 - (iii) Documentation of corrective actions implemented, per event.
- (b) To document compliance with Condition D.1.5, the Permittee shall maintain records of the results of the inspections required under Condition D.1.5 and the dates the vents are redirected.

- (c) To document compliance with Condition D.1.7, the Permittee shall maintain records of the visible emissions notations once per shift, of the exhaust stack nos. 0001 and 0002, and documentation of all corrective actions implemented, per event.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
and
CITY OF INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: Capitol City Metals, LLC
Source Address: 311 South Shelby Street, Indianapolis, Indiana 46202
Mailing Address: 311 South Shelby Street, Indianapolis, Indiana 46202
FESOP No.: F097-13884-00111

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Date:

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

**P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967**

and

CITY OF INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES

**Air Compliance Section
2700 South Belmont Avenue
Indianapolis, Indiana 46221
Phone: 317-327-2234
Fax: 317-327-2274**

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

Source Name: Capitol City Metals, LLC
Source Address: 311 South Shelby Street, Indianapolis, Indiana 46202
Mailing Address: 311 South Shelby Street, Indianapolis, Indiana 46202
FESOP No.: F097-13884-00111

This form consists of 2 pages

Page 1 of 2

9 This is an emergency as defined in 326 IAC 2-7-1(12)
CThe Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
CThe Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16

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

Facility/Equipment/Operation:

Control Equipment:

Permit Condition or Operation Limitation in Permit:

Description of the Emergency:

Describe the cause of the Emergency:

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

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

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

A certification is not required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION
 and
 CITY OF INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
 QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Capitol City Metals, LLC
 Source Address: 311 South Shelby Street, Indianapolis, Indiana 46202
 Mailing Address: 311 South Shelby Street, Indianapolis, Indiana 46202
 FESOP No.: F097-13884-00111

Months: _____ to _____ Year: _____

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
<p>9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.</p>	
<p>9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD</p>	
<p>Permit Requirement (specify permit condition #)</p>	
<p>Date of Deviation:</p>	<p>Duration of Deviation:</p>
<p>Number of Deviations:</p>	
<p>Probable Cause of Deviation:</p>	
<p>Response Steps Taken:</p>	
<p>Permit Requirement (specify permit condition #)</p>	
<p>Date of Deviation:</p>	<p>Duration of Deviation:</p>
<p>Number of Deviations:</p>	
<p>Probable Cause of Deviation:</p>	
<p>Response Steps Taken:</p>	

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

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**Indiana Department of Environmental Management
Office of Air Quality
and
City of Indianapolis
Office of Environmental Services**

**Addendum to the
Technical Support Document for a Federally Enforceable State
Operating Permit (FESOP) Renewal**

Source Name: Capitol City Metals, LLC.
Source Location: 311 South Shelby Street, Indianapolis, Indiana 46202
County: Marion
SIC Code: 5093
Operation Permit No.: 097-13884-00111
Permit Reviewer: Keshav Reddy

On January 6, 2003, the Indiana Department of Environmental Management, Office of Air Quality (OAQ) and the Office of Environmental Services (OES) had a notice published in the Indianapolis Star, Indianapolis, Indiana, stating that Capitol City Metals, LLC. had applied for a Federally Enforceable State Operating Permit (FESOP) renewal for the operation of its metal shredding plant. The notice also stated that OES proposed to renew the permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On February 4, 2003, Capitol City Metals, LLC. submitted comments on the proposed FESOP renewal. The summary of the comments and responses is as follows:

Comment 1:

“ The generally accepted industry term for our primary piece of processing equipment is a ‘Shredder’. Emission unit EU002 was described as shredder in the December 2000 FESOP application. Recommend replacing all references to ‘hammer-mill’ with ‘shredder’ for accuracy. ”

Response to Comment 1:

The request, for changing ‘hammer-mill’ to ‘shredder’, from the source was reviewed and acknowledged. In accordance with the request, the permit was revised to reflect the change.

Comment 2:

Permit Page 4: Section A.2, Emission Units and Pollution Control Equipment Summary

“ The description of the operation cites the maximum capacity as 66 tons/hr. However, the FESOP application lists the capacity as 70 tons/hr. This represents a value that is 10% higher than the rate demonstrated during the most recent stack compliance test. The 10% variance was included in the FESOP application as a margin of safety. Recommend changing the maximum production capacity from 66 tons/hr to 70 tons/hr.”

Response to Comment 2:

Pursuant to 326 IAC 3-6-3(b)(1), all emission tests shall be conducted while the facility is operating at ninety-five percent (95%) to one hundred percent (100%) of its permitted operating capacity. FESOP issued in

1998, listed the source having a maximum production rate of 70 tons/hr. However, the stack test performed in September, 1999 was rated at a production rate of 63 tons/hr, while operating at maximum capacity. Giving a 5% variance would yield a maximum rate of 66 tons/hr. The latest stack test results are used to revise the maximum production rate in this FESOP renewal. The suggestion from the source to use 10% variance and a maximum production capacity of 70 tons/hr is not in accordance with rule 326 IAC 3-6-3. Hence the maximum production rate of 66 tons/hr is retained and no changes were made to the permit.

Comment 3:

Permit Page 4: Section A.2 Emission Units and Pollution Control Equipment Summary

“Paragraph(b) of this section describes the shredder as being controlled by cyclone and a scrubber. On numerous occasions, including several meeting with OES and a March 2002 letter, CCM has communicated our desire to utilize the water spray system instead of the cyclone/scrubber combination. We are convinced, as is the rest of the shredding industry, that water spray systems are a more efficient, economical and reliable means of emission control. We have done extensive investigation within our industry and have found no shredder systems produced and sold within the past three years that were equipped with cyclone/scrubber technology. Moreover, we have identified four facilities in the country that have received air pollution operating permits from their respective states that cite water spray only as the best available control technology. In addition, we have performed ambient air monitoring and visible emissions testing while each emission control system was running independently and found no difference between the levels of control. In fact, we believe that exhaust system serving the cyclone/scrubber system actually generates particulate emissions that must be controlled by the cyclone/scrubber by pulling otherwise settled dirt and debris from the shredded scrap stream into air. The water spray system is more of a pollution prevention effort in that it suppresses smoke formation and adheres small particles to the shredding scrap rather than allowing it to become air borne then hopefully separated and scrubbed by the existing equipment. Please refer to our March 24, 2002 correspondence for more technical detail. Recommend replacing reference to cyclone/scrubber with water spray system ”

Response to Comment 3:

PM and PM 10 emissions from shredding operation have been controlled using a cyclone and scrubber system. Capitol City Metals has also installed a water spray system to minimize generation of dust and particulates. However, the request to utilize this water spray system instead of cyclone/scrubber system cannot be acceptable at this time for the following reasons:

- (a) the efficacy (control efficiency) of the water spray system on the shredder operation has not been determined;
- (b) although the visible emission seem to be reduced after installation of water spray system, compliance with PM and PM10 limits of the permit has to be demonstrated using spray system;
- (c) the estimates for potential to emit were based on stack test results of the shredder operation that included the cyclone and scrubber units. Any revisions to the emission estimates can be done only after pollutant loading rate in to the atmosphere from the shredder and the emission control efficiency due to the water spray system have been determined; and
- (d) the optimum monitoring and operating parameters have not been determined for the water spray system, to show compliance with the FESOP requirements.

The source can do a performance test for the water spray system to evaluate its efficacy and also can obtain the optimum operating parameters from the vendor. Further the source can request for permit revision in the future based on renewed information on the water spray system. No changes were made to the permit

with regards to this issue.

Comment 4:

Permit Page 16: Section C.1(a)(1) Overall Source Limit

“This section limits the potential to emit (PTE) of all regulated pollutants except for the particulate matter (PM) to less than 100 tons/year. However, CCM as sought no such exclusion for PM. It is our intent to limit all regulated pollutants to less than to less than major source levels with this permit. Recommend strike the exclusion of PM from the PTE limitation.”

Response to Comment 4:

Pursuant to 326 IAC 2-8 (FESOP Program), PM is not a criteria pollutant and would not be considered for determination of major source status. Particulate Matter (PM) is regulated under Indiana Rules, more specifically 326 IAC 6. Further, the source has minor source status for PSD requirements and hence no PM emission limit was needed. Recommendation to strike of PM from the specific condition cannot be accepted because the condition in question simply restates the FESOP requirements of 326 IAC 2-8. No changes were made to the permit.

Comment 5:

Permit Pages 24 and 25 Section D

“As described in comment # 3, CCM has chosen to utilize a more state of the art control system for the shredder. Therefore, recommend replacing all references to the cyclone and scrubber with water spray system ”

Response to Comment 5:

As enumerated in ‘response to comment 3’, the usage of water spray system instead of the existing cyclone/scrubber system as a control has not been established. Revising the permit text to delete the cyclone/scrubber system and to include the water spray system as control cannot be done at this time.

Comment 6:

Permit Page 24: Section D.1.2 Particulate Emissions

“ The reference to rule 326 IAC 6-1-2 (a) limits PM emission to less than 0.03 gr/dscf for sources located in Marion County that have a PTE of greater than 100 tons/yr or have actual emissions greater than 10 tons/year. We believe that rule has been cited in error. As the purpose of FESOP is to limit potential to emit of all regulated pollutants to minor source levels, CCM will not meet the first applicability test for this rule (PTE > 100 tpy). Furthermore, all annual emissions reports (i-steps) submitted by CCM in recent years have shown the actual PM emissions to be less than 10 tons/yr. Therefore this rule does not apply. Recommend striking Rule 326 IAC 6-1-2(a) as an applicable requirement.”

Response to Comment 6:

As described in ‘response to comment 4’, the FESOP program does not regulate or limit PM emissions. Based on the emission estimates using recent stack testing results, the potential to emit of PM is 219.5 tons/year. Further, also as stated in the comment, 326 IAC 6-1-2 (a) is applicable to all sources in Marion County, that have a potential to emit greater than 100 tons/year or actual emissions of greater than 10 tons/year and that are not covered in 326 IAC 6-1-7, and 326 IAC 6-1-2(b) thru (h). This source is subject to 326 IAC 6-1-2(a) as it is not covered in 326 IAC 6-1-7 and does not fall into the source categories listed in 326 IAC 6-1-2 (b) thru (h) and has a potential to emit more than 100 tons/year of PM. Hence the condition cannot be deleted from the permit. No changes were made to the permit.

Comment 7:

Permit Page 24: Section D.1.4(a)-(c) Operating Parameters

“Paragraphs (a) through (c) of this section cite operating parameters for the cyclone/scrubber. As this

equipment will no longer be cited in the permit, the listed operating parameters are no longer appropriate. CCM will work to identify appropriate replacement language for the water spray system and provide our recommendations to OES.”

Response to Comment 7:

As described in ‘response to comment 3’, the water spray system has not been established as control device. The operating parameters pertaining to cyclone/scrubber system cannot be removed from the permit as they are essential to show compliance with the FESOP requirements. No changes were made to the permit.

Comment 8:

Permit Page 25: Section D.1.8(a)(ii) Recordkeeping Requirements

“This term requires monitoring of the scrubber flow rate in gallons per minute. Since the scrubber will no longer be utilized, this term is no longer appropriate. However, CCM can monitor water flow for the water spray system. Recommend replacing scrubber with water spray system.”

Response to Comment 8:

As described in ‘response to comment 3’, the water spray system has not been established as control device. The recordkeeping requirements pertaining to cyclone/scrubber system cannot be removed from the permit as they are essential to show compliance with the FESOP requirements. No changes were made to the permit.

Comment 9:

Appendix A Page 1: Emission Calculations

“While CCM recognizes that the calculations shown on this page reflect the unrestricted PTE of the sources, we would like to point out that the actual PTE for all regulatory purposes will be as stated in Section C.1 once the FESOP has been issued.”

Response to Comment 9:

Appendix A, Page 1, shows detailed calculation of PTE from the facilities located at the source. The potential to emit after issuance is shown in Page 3 of the TSD and broadly covered by Condition C.1 of the permit. As this comment was not seeking any changes and was only trying to ascertain the source’s understanding of the regulation, no changes were made to the permit.

Comment 10:

TSD Page 1: Permitted Emission Units and Control Equipment

“As described in comment # 2, the maximum capacity should be listed as 70 tons/hr. In addition, the hammer-mill reference should be changed in shredder and the cyclone/scrubber should be changed to water spray system.”

Response to Comment 10:

As addressed in ‘response to comment 1’, the ‘hammer-mill’ reference has been acknowledged and changed to ‘shredder’ in the permit, however, such a change cannot be made to the TSD. TSD should be retained in its original form as it was put out for public notice, further all changes necessary are addressed in this addendum to the TSD. ‘Response to comment 2’ addresses the issue a issue of maximum production rate, in accordance no further changes were made to the TSD.

Comment 11:

TSD Page 2: Enforcement Issue

“ In the second paragraph, CCM’s old name has inadvertently been used. Recommend changing Indianapolis Shredding to Capitol City Metals”.

Response to Comment 11:

The request, for changing 'Indianapolis Shredding' to 'Capitol City Metals', from the source was reviewed and acknowledged in this addendum. However, such a change will not be made to the TSD for reasons listed in 'response to comment 10'.

Comment 12:

TSD Page 5: State Rule Applicability - Individual Facilities
"Refer to Comment #6".

Response to Comment 12:

The applicability of rule 326 IAC 6-1-2 has been discussed in 'response to comment 6'. No changes can be made in the TSD.

Comment 13:

TSD Page 5: Monitoring Requirements
"Refer to Comment #8".

Response to Comment 13:

The importance of monitoring requirements and recordkeeping requirements has been stated in 'response to comment 7 and 8'. No changes can be made in the TSD.

**Indiana Department of Environmental Management
Office of Air Quality
and
City of Indianapolis
Office of Environmental Services**

**Technical Support Document (TSD) for a Federally Enforceable State
Operating Permit (FESOP) Renewal**

Source Background And Description

Source Name: Capitol City Metals, LLC
Source Location: 311 South Shelby Street, Indianapolis, Indiana 46202
County: Marion
SIC Code: 5093
Operation Permit No.: 097-13884-00111
Permit Reviewer: Keshav Reddy

The Office of Air Quality (OAQ) and the City of Indianapolis Office of Environmental Services (OES) have reviewed FESOP renewal application from Capitol City Metals, LLC., relating to the operation of a metal shredding plant. Capitol City Metals, LLC., was previously called Indianapolis Shredding, LLC. and was issued FESOP F097-5422-00111 on January 27, 1998.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following approvals (permits, registrations, exemptions, etc.) with the following emission units and pollution control devices:

One (1) metal shredding operation with a maximum capacity of producing 66 tons/hr of metal, consisting of the following:

- (a) One (1) metal / fluff separation cascade, identified as 0001, with emissions controlled by a cyclone, and exhausting at stack #1, installed June 1991,
- (b) One (1) hammer-mill operation, identified as 0002, with emissions controlled by cyclone and a scrubber, and exhausting at stack #2, installed June 1991.

Unpermitted Emission Units and Pollution Control Equipment

There are no unpermitted facilities operating at this source during this review process.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Paved and unpaved roads and parking lots with public access [326 IAC 6-4-4]

Existing Approvals

- (a) FESOP 097-5422-00111, issued on January 27, 1998.
- (b) First Administrative Amendment 097-11504-00111, issued on November 17, 1999.
- (c) Second Administrative Amendment 097-14557-00111, issued on July 17, 2001.

Enforcement Issue

Capitol City Metals was issued a Notice of Violation, by the OES, for not complying with stack test requirements and also fugitive dust rules, on June 21, 2001.

Capitol City Metals failed the stack test on September 22, 1999, which was required to show compliance with 326 IAC 2-8 and 326 IAC 6-1-2. The performance test determined that the actual PM emissions during the testing were 0.0566 grains per dry standard cubic foot (gr/dscf) of PM which exceeds the allowable limit of 0.0263 gr/dscf contained in the FESOP 097-5422-00111. The current permit (F097-5422-00111) did not have a limit on production or amount of pollution per ton of product, rather had a grain loading limit of 0.0263 gr/dscf to comply with 326 IAC 2-8, which would have also allowed the source to comply with 326 IAC 6-2. Indianapolis Shredding failed to demonstrate compliance with the allowable PM10 limit for the Metal/Fluff Separator. In the existing and the proposed FESOP, PM is assumed to be equal to PM10.

Particulate was also observed crossing the north property boundary onto the adjacent property. OES received a complaint regarding the "fluff" generated from the scrap metal shredding activities on May 21, 2001. The source was issued a notice of violation for not complying with the Fugitive Dust rules 326 IAC 6-4.

OES is reviewing the matter and will take appropriate action. There will be no stack testing requirements, in this renewal, to show compliance with 326 IAC 2-8.

Recommendation

The staff recommends to the Administrator that the FESOP be approved. This recommendation is based on the following facts and conditions:

Information used in this review, unless otherwise stated, was derived from the application and additional information submitted by the applicant.

Emission Calculations

See Appendix A, pages 1 through 3 of this document for detailed emissions calculations.

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions from the source, excluding the emission limits that were contained in the previous FESOP.

Pollutant	Unrestricted Potential Emissions (tons/yr)
PM	219.5
PM-10	216.4
SO ₂	0.0
VOC	0.0
CO	0.0
NO _x	0.0

HAP's	Potential To Emit (tons/year)
Single HAP	less than 10
TOTAL	less than 25

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

Utilizing emission factors from a recent stack test, potential emissions (as defined in the Indiana Rule) of PM10 from metal shredding and supporting activities(Emission Unit ID's # 0001 and 0002)

are greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

A source with “potential to emit” high enough to make it a “major source” but whose actual emissions are below the Part 70 emission levels may elect to avoid the Part 70 Operating Permit Program by agreeing to accept a permit with federally enforceable limits that restrict its PTE to below the major source emission levels. The permit containing these restrictions is called a Federally Enforceable State Operating Permit (FESOP).

Potential to Emit After Issuance

The source was issued a FESOP on January 27, 1998 and has opted to remain a FESOP source, rather than apply for a Part 70 Operating Permit. The table below summarizes the potential to emit, after controls. Any control equipment is considered enforceable only after issuance of this Federally Enforceable State Operating Permit and only to the extent that the effect of the control equipment is made practically enforceable in the permit. Since the source has not constructed any new emission units, the source’s potential to emit is based on the emission units included in the original FESOP. (F097-5510-00163; issued on December 11,1996).

	Potential to Emit After Issuance						
Process/emission unit	PM	PM-10	SO2	VOC	CO	NOx	HAPS
Metal Fluff Separator and Hammer-mill(0001 & 0002)	21.4	21.4					
Insignificant Activities	2.9	1.3					
Total(tons/yr)	24.3	22.7	--	--	--	--	--

County Attainment Status

The source is located in Marion County.

Pollutant	Status
PM-10	Unclassifiable
Lead	maintenance attainment
NO ₂	attainment
Ozone	maintenance attainment
CO	attainment
SO ₂	attainment

- (a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. Marion County has been designated as maintenance attainment for ozone.
- (b) Marion County has been classified as attainment or unclassifiable for all criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CAR 52.21.
- (c) Fugitive Emissions
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD applicability.

Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this source.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR Part 63) applicable to this source.

State Rule Applicability - Entire Source

326 IAC 1-6 (Malfunctions)

Capitol City Metals shall prepare and maintain a preventive maintenance plan since 326 IAC 1-6-1 is applicable to the metal shredding and separation operations.

326 IAC 2-2 (PSD Applicability)

This existing source is not a major stationary source because no attainment pollutant is emitted at a rate of 250 tons per year or greater and it is not in one of the 28 listed source categories. Therefore, pursuant to 326 IAC 2-2, and 40 CFR 52.21, the PSD requirements do not apply.

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting), because it has the potential to emit more than one hundred (100) tons per year of PM10. Pursuant to this rule, the owner/operator of the source must submit an emission statement for the source. The statement must be received in accordance with the compliance schedule specified in 326 IAC 2-6 and contain the minimum requirement as specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8).

326 IAC 2-8-4 (FESOP)

Pursuant to this rule, the amount of PM-10 emitted shall be limited to less than 100 tons per twelve (12) consecutive month period with compliance determined at the end of each month. Capitol City Metals has accepted conditions that require the use of control equipment when PM-10 emitting facilities are in operation, in order to comply with this limit. PM 10 emissions from the source are estimated to be about 22.7 tons per year after controls.

326 IAC 5-1 (Visible 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:

- (a) Opacity shall not exceed an average of thirty percent (30%) 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.

326 IAC 6-4 (Fugitive Dust Emissions)

This rule requires the source not to generate fugitive dust to the extent that some portion of the material escapes beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located.

326 IAC 6-5 (Fugitive Particulate Emissions Limitations)

The fugitive dust emissions are 2.58 tons per year and, therefore, no fugitive dust control plan is required. However, a plan was submitted, reviewed, and approved. The source states it shall comply with all dust abatement measures contained therein.

State Rule Applicability - Individual Facilities

326 IAC 6-1-2 Particulate Matter (PM)

Marion County is listed under 326 IAC 6-1-7. However, neither the source nor facilities are listed in 326 IAC 6-1-12. However, the source has a potential to emit 100 tons or more of PM emissions per year. Therefore, 326 IAC 6-1-2 applies to the metal fluff and hammer-mill operations. Pursuant to 326 IAC 6-1-2 (Particulate Limitations; Specified), Particulate Matter (PM) emissions from each PM Emission Unit, shall be limited to no greater than 0.03 grain per dry standard cubic foot of exhaust.

Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ and the OES, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

Monitoring Requirements

All the monitoring requirements from the old FESOP are incorporated into this permit. The source has uncontrolled potential emissions above the 99 ton per year of PM10. Also the metal fluff separator and hammer-mill operations are subject to 326 IAC 6-1-2. The compliance monitoring requirements applicable to this source are as follows:

- (a) The Permittee shall measure scrubbant flow of the scrubber at least once per day when the metal / fluff separator is in operation. The scrubbant flow rate shall be maintained as follows:
 - (i) A minimum of 80 gallons per minute, or
 - (ii) As per the Preventive Maintenance Plan which shall specify corrective action, or
 - (iii) A range established during the latest stack tests which is approved by the OES and IDEM, OAQ.
- (b) The Permittee shall measure the induced draft fan motor power consumption of the control equipment when the respective systems are in operation. The amperage draw shall be as follows:
 - (i) Within a range of 125 and 150 amperes per hour, or
 - (ii) As per the Preventive Maintenance Plan which shall specify corrective action, or
 - (iii) A range established during the latest stack tests which is approved by the

OES and IDEM, OAQ.

The instruments used for measuring the flow rate and power consumption shall be subject to approval by the OES and/or IDEM-OAQ, and the frequency of calibration shall be listed and performed according to the vendor specifications. The Preventive Maintenance Plan for these emitting units shall contain troubleshooting contingencies and corrective actions for when scrubber water flow rate or induced draft fan amperage are out of ranges specified above for any one measurement.

- (c) An inspection shall be performed each calendar quarter of all cyclones controlling shredding and metal/fluff separation operations when venting to the atmosphere. A cyclone inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors.

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records and Reports, shall be considered a violation of this permit

- (d) Visible emission notations of the metal / fluff separation cascade stack exhaust no. 0001 and of the hammer-mill stack exhaust no. 0002 shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
 - (i) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
 - (ii) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
 - (iii) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
 - (iv) The Preventive Maintenance Plan for these units shall contain troubleshooting contingency and corrective actions for when an abnormal emission is observed.

Conclusion

The operation of this metal shredding and separation plant shall be subject to the conditions of the attached proposed FESOP No.: F097-13884-00111.

Appendix A, Page 1 of 3

Calculations for Capitol City Metals, L.L.C., F097-13884-00111

Determine Potential to Emit.

Emissions are based upon stack tests performed 1999. The through put rate was 63 tons/hr of metal produced.

Estimated control efficiency of Collection Systems for both Metal Fluff Separator (0001) and Hammer-mill (0002) is 90%.

The Potential to emit is calculated using the actual emission rate estimated from the stack test results. The stack test was performed for PM. In the following calculations all of PM emissions are assumed to be PM10.

Actual emissions, from the stack test, were 3.26 lb PM per hour for Metal Fluff Separator and 1.62 lb PM per hour for the hammer-mill.

Metal Fluff Separator Potential to emit:

$$\frac{3.26 \text{ lb}}{\text{hr}} \times \frac{1}{(1.0 - 0.9)} \times \frac{8,760 \text{ hr}}{\text{yr}} \times \frac{\text{ton}}{2,000 \text{ lb}} = 142.8 \text{ tons PM and PM 10 per yr}$$

Hammer-mill Potential to emit:

$$\frac{1.62 \text{ lb}}{\text{hr}} \times \frac{1}{(1.0 - 0.9)} \times \frac{8,760 \text{ hr}}{\text{yr}} \times \frac{\text{ton}}{2,000 \text{ lb}} = 70.96 \text{ tons PM and PM10 per yr}$$

Total Potential to Emit of PM from 0001 and 0002 = **213.8 tons per year.**

Potential to Emit of PM after controls from 0001 and 0002 = **21.4 tons per year.**

Total Potential to Emit of PM10 from the Source = **213.8 tons per year.**

Potential to Emit of PM10 after controls from 0001 and 0002 = **21.4 tons per year.**

Unlimited Potential to Emit PM10 from Vehicle Travel on Unpaved Roads

Company Name: Capitol City Metals, LLC.
Street Address: 311 South Shelby Street
County: Marion County
Operation Permit No.: 097-13884-00111
Reviewer: Keshav Reddy

$$E = \frac{s * S * W^{0.7} * w^{(365-p)}}{(263.309) (365)} = \text{lb particulate/vehicle mile traveled on unpaved roads (AP-42, 13.2.2)}$$

k = 0.36 particle size multiplier for PM10 (constant)
 s = 8.9 silt content of road surface material (%), unspecified municipal roads
 p = 120 number of days with at least 0.01 inch of precipitation (per year)

S = mean vehicle speed (mph)
 W = mean vehicle weight (tons)
 w = number of wheels

Vehicle Type	Mean Speed (mph)	Mean Weight (tons)	# of Wheels	Trip (mi) Distance	# Trips per Hour	Total Miles (One Day)	Day/Year	E (lb/VMT)	PM10 (ton/yr)
Triaxle truck	5	5	8	0.11	15	39.60	365	0.36	2.58
Total fugitive PM10 emission:								2.58	
Fugitive PM10 emission contr:								50.00%	
Total fugitive PM10 emission:								1.29	

Example

$$E = \frac{0.36 * 6 * 10 * 40^{0.7} * 18^{(365-120)}}{(263.309) (365)} = 3.09 \text{ lb PM10/VMT}$$

Unlimited Potential to Emit PM from Vehicle Travel on Unpaved Roads

Company Name: Capitol City Metals, LLC.
Street Address: 311 South Shelby Street
County: Marion County
Operation Permit No.: 097-13884-00111
Reviewer: Keshav Reddy

$$E = \frac{s * S * W^{0.7} * w^c (365-p)}{(263.309) (365)} = \text{lb particulate/vehicle mile traveled on unpaved roads (AP-42, 13.2.2)}$$

k = 0.8 particle size multiplier for PM10 (constant)
 s = 8.9 silt content of road surface material (%), unspecified municipal roads
 p = 120 number of days with at least 0.01 inch of precipitation (per year)

S = mean vehicle speed (mph)
 W = mean vehicle weight (tons)
 w = number of wheels

Vehicle Type	Mean Speed (mph)	Mean Weight (tons)	# of Wheels	Trip (mi) Distance	# Trips per Hour	Total Miles (One Day)	Day/Year	E (lb/VMT)	PM (ton/yr)
Triaxle truck	5	5	8	0.11	15	39.60	365	0.79	5.72
Total fugitive PM emissions								5.72	
Fugitive PM emission control								50.00%	
Total fugitive PM emissions								2.86	

Example

$$E = \frac{0.8 * 6 * 10 * 40^{0.7} * 18^{0.5} (365-120)}{(263.309) (365)} = 6.87 \text{ lb PM}_{10}/\text{VMT}$$