



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant
DATE: August 22, 2007
RE: Essex Group, Inc. / 183-24485-00016
FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

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

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER.dot 03/23/06



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.

Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
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Mr. William D. Nicholson
Essex Group, Inc. - Metals Processing Center
2601 South 600 East
Columbia City, IN 46725

August 22, 2007

Re: 183-24485-00016
PSD Significant Source Modification to:
Part 70 permit No.: T183-6488-00016

Dear Mr. Nicholson:

Essex Group, Inc. - Metals Processing Center was issued Part 70 Operating Permit T183-6488-00016 on October 30, 2003 for a stationary secondary copper plant that produces copper rods and bars. An application to modify the source was received on January 12, 2007. Pursuant to 326 IAC 2-7-10.5 Essex Group, Inc. - Metals Processing Center is approved to complete the following activities:

- o The VOC emissions from the 055 West Line Alcohol Quench System and the 055 East Line Alcohol Quench System will no longer be vented to the thermal oxidizer (CE-03). The emissions will be vented to one (1) of the following four (4) furnaces: North Rotary Furnace, South Rotary Furnace, 055 West Line holding furnace or the 055 East Line holding furnace.
- o The VOC emissions from the 055 West Line Mill Emulsion System and the 055 East Line Mill Emulsion System, which were vented to the thermal oxidizer (CE-03), will be uncontrolled.

The following construction conditions are applicable to the proposed project:

General Construction Conditions

1. The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.

4. Pursuant to 326 IAC 2-2-8(a)(1), this permit to construct shall expire if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is discontinued for a period of eighteen (18) months or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.
6. Pursuant to 326 IAC 2-7-10.5(l) the emission units constructed under this approval shall not be placed into operation prior to revision of the source's Part 70 Operating Permit to incorporate the required operation conditions.

This significant source modification authorizes the proposed construction. Operating conditions shall be incorporated into the Part 70 operating permit as a significant permit modification in accordance with 326 IAC 2-7-10.5(l)(2) and 326 IAC 2-7-12. Operation is not approved until the significant permit modification has been issued.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter call (800) 451-6027, and ask for Jenny Acker or extension 2-8253, or dial (317) 232-8253.

Sincerely,

Original Signed By:
Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

Attachments

JLA

cc: File -Whitley County
Whitley County Health Department
Air Compliance Section Inspector - Ryan Hillman



Mitchell E. Daniels, Jr.

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**PREVENTION OF SIGNIFICANT DETERIORATION (PSD)
AND
SIGNIFICANT SOURCE MODIFICATION TO A
PART 70 SOURCE
OFFICE OF AIR QUALITY**

**Essex Group Inc. - Metals Processing Center
2601 South 600 East
Columbia City, Indiana 46725**

(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 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

PSD/Significant Source Modification No.: 183-24485-00016	
Issued by: Original Signed By: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: August 22, 2007

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SECTION A

SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary source consisting of a secondary copper plant that produces copper rods and bars.

Source Address:	2601 South 600 East, Columbia City, Indiana 46725
Mailing Address:	2601 South 600 East, Columbia City, Indiana 46725
General Source Phone Number:	(260) 248-5553
SIC Code:	3351, 3357
County Location:	Whitley
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD Minor Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

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

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

Rotary Furnaces

- (a) Two (2) natural gas-fired Rotary Furnaces, identified as North Rotary Furnace and South Rotary Furnace (P-1), each constructed in 1985, each with a maximum heat input capacity of 22 MMBtu/hr and a maximum capacity of 1.43 tons of copper per hour, with emissions controlled by a baghouse, and exhausting to stack S-1.

Copper Rod and Bar Manufacturing

- (b) One (1) Copper Rod and Bar Manufacturing Process, identified as 055 West Line, constructed in 1985, a maximum charging capacity of 20 tons of copper per hour and melt capacity of 15 tons per hour, with emissions uncontrolled, exhausting to stack S-2, and consisting of:
- (1) One (1) natural gas-fired vertical melt furnace, with a heat input capacity of 24 MMBtu/hr,
 - (2) One (1) holding furnace, with a heat input capacity of 2.0 MMBtu/hr,
 - (3) One (1) tundish, with a heat input capacity of 1.5 MMBtu/hr, and
 - (4) Various ancillary launders, with an aggregate heat input capacity of 2.5 MMBtu/hr.
- (c) One (1) Copper Rod and Bar Manufacturing Process, identified as 055 East Line, constructed in 1994, a maximum charging capacity of 20 tons of copper per hour and melt

capacity of 15 tons per hour, with emissions uncontrolled, exhausting to stack S-3, and consisting of:

- (1) One (1) natural gas-fired vertical melt furnace, with a heat input capacity of 24 MMBtu/hr,
- (2) One (1) holding furnace, with a heat input capacity of 2.0 MMBtu/hr,
- (3) One (1) tundish, with a heat input capacity of 1.5 MMBtu/hr, and
- (4) Various ancillary launders, with an aggregate heat input capacity of 2.5 MMBtu/hr.

055 West Alcohol Quench Process

- (d) One (1) Mill Emulsion System, identified as 055 West Line Mill Emulsion System (P-5), constructed in 1985, which pumps a mill emulsion solution, through sprays in an enclosed rolling mill stand area, emissions venting into the building.
- (e) One (1) Alcohol Quench System, identified as 055 West Line Quench System (P-5), constructed in 1985, which pumps a quench solution through ejectors into tubes. The emissions are primarily controlled by the North Rotary Furnace or the South Rotary Furnace, collectively identified as P-1, exhausting to stack S-1. Alternatively, the emissions can be controlled by the 055 West Line holding furnace, exhausting to stack S-2, or the 055 East Line holding furnace, exhausting to stack S-3.

055 East Alcohol Quench Process

- (f) One (1) Mill Emulsion System, identified as 055 East Line Mill Emulsion System (P-6), constructed in 1994, which pumps a mill emulsion solution through sprays in an enclosed rolling mill stand area, emissions venting into the building.
- (g) One (1) Alcohol Quench System, identified as 055 East Line Quench System (P-6), constructed in 1994, which pumps a quench solution through ejectors into tubes. The emissions are primarily controlled by the North Rotary Furnace or the South Rotary Furnace, collectively identified as P-1, exhausting to stack S-1. Alternatively, the emissions can be controlled by the 055 West Line holding furnace, exhausting to stack S-2, or the 055 East Line holding furnace, exhausting to stack S-3.

Storage Tanks

- (h) One (1) 17,000 gallon mill emulsion storage tank, constructed in 1985. This storage tank is part of the 055 West Line Mill Emulsion System.
- (i) One (1) 7,500 gallon quench solution storage tank, constructed in 1985. This storage tank is part of the 055 West Line Quench System.
- (j) One (1) 17,000 gallon mill emulsion storage tank, constructed in 1994. This storage tank is part of the 055 East Line Mill Emulsion System.
- (k) One (1) 7,500 gallon quench solution storage tank, constructed in 1994. This storage tank is part of the 055 East Line Quench System.

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

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

- (a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]
- (b) Furnaces used for melting metals other than beryllium with a brim full capacity of less than or equal to 450 cubic inches by volume. [326 IAC 6-3-2]
- (c) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5]
- (d) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]

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

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

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

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

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

B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

- (a) This permit, 183-6488-00016, 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 13-15-3-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

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

B.4 Enforceability [326 IAC 2-7-7]

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

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

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

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

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

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

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

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

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by the "responsible official" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) The "responsible official" is defined at 326 IAC 2-7-1(34).

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

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
 - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

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

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

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

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

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

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

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

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
 - (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.

- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

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

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

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

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
 - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
 - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

- (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

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

- (a) All terms and conditions of permits established prior to 183-6488-00016 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this combined permit, all previous registrations and permits are superseded by this combined new source review and part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

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

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.17 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

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

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
 - (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

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

B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12][40 CFR 72]

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

- (a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

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

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) without a prior permit revision, if each of the following conditions is met:
 - (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
 - (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

- (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

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

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b),(c), or (e). The Permittee shall make such records available, upon reasonable request, for public review.

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

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

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

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

- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

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

B.21 Source Modification Requirement [326 IAC 2-7-10.5]

- (a) A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.
- (b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2 (for sources located in NA areas).

B.22 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ 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) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

C.2 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 forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

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

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

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 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 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 by using ambient air quality modeling pursuant to 326 IAC 1-7-4.

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

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of

326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Accredited Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

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

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

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

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

C.10 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

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

Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]

C.13 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
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

within ninety (90) days after the date of issuance of this permit.

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

- (c) If the ERP is disapproved by IDEM, OAQ, 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 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.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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

C.15 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records; and/or
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
 - (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, 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 response action documents submitted pursuant to this condition do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

- (a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2004 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
 - (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
 - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

- (a) Records of all required monitoring data, reports and support information required by this approval shall be retained for a period of at least five (5) years from the date of monitoring

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

- (b) Unless otherwise specified in this approval, all record keeping requirements not already legally required shall be implemented within ninety (90) days of approval issuance.
- (c) If there is a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-3(II)) at an existing emissions unit, other than projects at a source with Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-3(mm)), the Permittee shall comply with following:
 - (1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, document and maintain the following records:
 - (A) A description of the project.
 - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
 - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
 - (i) Baseline actual emissions;
 - (ii) Projected actual emissions;
 - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1(mm)(2)(A)(iii); and
 - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
 - (2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
 - (3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2]
[326 IAC 2-3]

- (a) The reports required by conditions in Section D of this approval shall be submitted to:
- Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (b) Unless otherwise specified in this approval, any notice, report, or other submission required by this approval shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) Unless otherwise specified in this approval, all reports required in Section D of this approval shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (d) The first report shall cover the period commencing on the date of issuance of this approval and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (e) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ :
- (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1(xx) and/or 326 IAC 2-3-1(qq), for that regulated NSR pollutant, and
 - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(ii).
- (f) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:
- (1) The name, address, and telephone number of the major stationary source.
 - (2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements.
 - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
 - (4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

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

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

Stratospheric Ozone Protection

C.20 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 2-7-5(15)]:

Rotary Furnaces

- (a) Two (2) natural gas-fired Rotary Furnaces, identified as North Rotary Furnace and South Rotary Furnace (P-1), each constructed in 1985, each with a maximum heat input capacity of 22 MMBtu/hr and a maximum capacity of 1.43 tons of copper per hour, with emissions controlled by a baghouse, and exhausting to stack S-1.

Copper Rod and Bar Manufacturing

- (b) One (1) Copper Rod and Bar Manufacturing Process, identified as 055 West Line, constructed in 1985, a maximum charging capacity of 20 tons of copper per hour and melt capacity of 15 tons per hour, with emissions uncontrolled, exhausting to stack S-2, and consisting of:
- (1) One (1) natural gas-fired vertical melt furnace, with a heat input capacity of 24 MMBtu/hr,
 - (2) One (1) holding furnace, with a heat input capacity of 2.0 MMBtu/hr,
 - (3) One (1) tundish, with a heat input capacity of 1.5 MMBtu/hr, and
 - (4) Various ancillary launders, with an aggregate heat input capacity of 2.5 MMBtu/hr.
- (c) One (1) Copper Rod and Bar Manufacturing Process, identified as 055 East Line, constructed in 1994, a maximum charging capacity of 20 tons of copper per hour and melt capacity of 15 tons per hour, with emissions uncontrolled, exhausting to stack S-3, and consisting of:
- (1) One (1) natural gas-fired vertical melt furnace, with a heat input capacity of 24 MMBtu/hr,
 - (2) One (1) holding furnace, with a heat input capacity of 2.0 MMBtu/hr,
 - (3) One (1) tundish, with a heat input capacity of 1.5 MMBtu/hr, and
 - (4) Various ancillary launders, with an aggregate heat input capacity of 2.5 MMBtu/hr.

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

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

D.1.1 Particulate Matter - Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (PSD) not applicable, the Permittee shall comply with the following emission limits:

- (a) The total amount of copper produced by the North and South rotary furnaces shall not exceed 23,800 tons per twelve (12) consecutive month period with compliance to be determined at the end of each month.

- (b) The PM emissions from the rotary furnaces, controlled by a baghouse, exhausting to stack S-1, shall not exceed 1.13 pounds of PM per ton of copper produced.
- (c) The total amount of copper produced by the 055 West Copper Bar and Rod Manufacturing Process shall not exceed 124,830 tons per twelve (12) consecutive month period with compliance to be determined at the end of each month.
- (d) The PM emissions from the 055 West Copper Bar and Rod Manufacturing Process, exhausting to stack S-2, shall not exceed 0.175 pound of PM per ton of copper produced.

Compliance with these conditions limits the PM emissions from the North and South Rotary furnaces and the 055 West Copper Bar and Rod Manufacturing Process to less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 2-2 (PSD) are rendered not applicable.

D.1.2 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from:

- (a) Each rotary furnace shall not exceed 5.21 pounds per hour when operating at a process weight rate of 1.43 tons per hour, each.
- (b) Each copper bar and rod manufacturing process (identified as the 055 West, and 055 East lines) shall not exceed 30.51 pounds per hour when operating at a process weight rate of 20 tons per hour, each.

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

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

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.1.4 Particulate Control

- (a) In order to comply with Condition D.1.2, the baghouse shall control particulate emissions from the rotary furnaces at all times when the rotary furnaces are in operation.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

D.1.5 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

In order to demonstrate compliance with Conditions D.1.1 and D.1.2, the Permittee shall perform PM testing for stack S-1 (exhausting emissions from the rotary furnaces) and stack S-2 (exhausting emissions from the 055 West Copper Bar and Rod Manufacturing Process), within one hundred eighty (180) days after issuance of this Part 70 permit (No.: T183-6488-00016),

utilizing methods as approved by the Commissioner. These tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

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

D.1.6 Visible Emissions Notations

- (a) Visible emission notations of the exhaust from the rotary furnaces and copper bar and rod manufacturing processes (exhausting to stacks S-1, S-2, and S-3) shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

D.1.7 Parametric Monitoring - Baghouses

The Permittee shall record the pressure drop across the baghouse used to control emissions from the rotary furnaces, at least once per day when the respective facilities are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 3.0 to 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.1.8 Broken or Failed Bag Detection

In the event that bag failure has been observed:

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

as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

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

D.1.9 Record Keeping Requirements

- (a) To document compliance with Condition D.1.6, the Permittee shall maintain a daily record of visible emission notations of the rotary furnaces and copper bar and rod manufacturing processes stack exhausts. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (b) To document compliance with Condition D.1.7, the Permittee shall maintain a daily record of pressure drop records of the rotary furnaces baghouse. The Permittee shall include in its daily record when a pressure drop record is not taken and the reason for the lack of the pressure drop record (e.g. the process did not operate that day).
- (c) To document compliance with Condition D.1.1(a), the Permittee shall maintain monthly records of the amount copper produced by the North and South rotary furnaces.
- (d) To document compliance with Condition D.1.1(c), the Permittee shall maintain monthly records of the amount copper produced by the 055 West Bar and Rod Manufacturing Process.
- (e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.10 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.2.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.2

FACILITY OPERATION CONDITIONS

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

055 West Alcohol Quench Process

- (d) One (1) Mill Emulsion System, identified as 055 West Line Mill Emulsion System (P-5), constructed in 1985, which pumps a mill emulsion solution, through sprays in an enclosed rolling mill stand area, emissions venting into the building.
- (e) One (1) Alcohol Quench System, identified as 055 West Line Quench System (P-5), constructed in 1985, which pumps a quench solution through ejectors into tubes. The emissions are primarily controlled by the North Rotary Furnace or the South Rotary Furnace, collectively identified as P-1, exhausting to stack S-1. Alternatively, the emissions can be controlled by the 055 West Line holding furnace, exhausting to stack S-2, or the 055 East Line holding furnace, exhausting to stack S-3.

055 East Alcohol Quench Process

- (f) One (1) Mill Emulsion System, identified as 055 East Line Mill Emulsion System (P-6), constructed in 1994, which pumps a mill emulsion solution through sprays in an enclosed rolling mill stand area, emissions venting into the building.
- (g) One (1) Alcohol Quench System, identified as 055 East Line Quench System (P-6), constructed in 1994, which pumps a quench solution through ejectors into tubes. The emissions are primarily controlled by the North Rotary Furnace or the South Rotary Furnace, collectively identified as P-1, exhausting to stack S-1. Alternatively, the emissions can be controlled by the 055 West Line holding furnace, exhausting to stack S-2, or the 055 East Line holding furnace, exhausting to stack S-3.

Storage Tanks

- (h) One (1) 17,000 gallon mill emulsion storage tank, constructed in 1985. This storage tank is part of the 055 West Line Mill Emulsion System.
- (i) One (1) 7,500 gallon quench solution storage tank, constructed in 1985. This storage tank is part of the 055 West Line Quench System.
- (j) One (1) 17,000 gallon mill emulsion storage tank, constructed in 1994. This storage tank is part of the 055 East Line Mill Emulsion System.
- (k) One (1) 7,500 gallon quench solution storage tank, constructed in 1994. This storage tank is part of the 055 East Line Quench System.

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

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

D.2.1 Best Available Control Technology (BACT) for VOC [326 IAC 2-2] [326 IAC 8-1-6]

Pursuant to 326 IAC 2-2-3 (Prevention of Significant Deterioration) and 326 IAC 8-1-6 (BACT), the Permittee shall comply with the following BACT requirements:

- (a) The VOC input to the 055 East Line Quench System and the associated quench solution storage tank, shall not exceed 9.125 tons per month.
- (b) The VOC input to the 055 West Line Quench System and the associated quench solution storage tank, shall not exceed 9.125 tons per month.
- (c) The emissions from the 055 East and 055 West Quench Systems, including the two (2) quench solution storage tanks, shall be controlled by one (1) of the following four (4) furnaces: North Rotary Furnace, South Rotary Furnace, 055 West Line holding furnace, or 055 East Line holding furnace. The capture system shall have a capture efficiency of 100% and each furnace shall achieve a minimum VOC destruction efficiency of 98%.
- (d) The total VOC input to the 055 East Line Mill Emulsion System and the associated mill emulsion storage tank, shall not exceed two (2) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (e) The total VOC input to the 055 West Line Mill Emulsion System and the associated mill emulsion storage tank, shall not exceed two (2) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

Compliance with these requirements will satisfy the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 8-1-6 (BACT).

D.2.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities.

Compliance Determination Requirements

D.2.3 Volatile Organic Compound (VOC)

In order to demonstrate compliance with Condition D.2.1, one (1) of the four (4) furnaces (North Rotary Furnace, South Rotary Furnace, 055 West Line holding furnace, or 055 East Line holding furnace) shall control emissions from the 055 East Line and 055 West Line Quench Systems at all times that the 055 East Line and 055 West Line Quench Systems are in operation.

D.2.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

The Permittee shall conduct a performance test to determine compliance with Condition D.2.1 for the North Rotary Furnace, the South Rotary Furnace, the 055 West Line holding furnace, and the 055 East Line holding furnace using methods as approved by the commissioner. The testing shall be conducted according to the following schedule:

- (a) Within sixty (60) days after achieving maximum capacity but no later than one hundred and eighty (180) days after redirecting the emissions from the RTO (CE-03), the Permittee shall conduct the initial compliance test for either the North Rotary Furnace or the South Rotary Furnace to determine compliance with the limits on VOC capture and destruction efficiency, utilizing methods as approved by the Commissioner. This testing shall be repeated at least once every two and half (2.5) years from the date of the most recent valid compliance demonstration. Subsequent testing shall be performed for the furnace not tested during the prior testing cycle.
- (b) Within sixty (60) days after achieving maximum capacity but no later than one hundred and eighty (180) days after redirecting the emissions from the RTO (CE-03), the Permittee shall conduct the initial compliance test for either the 055 East Line holding furnace or the 055 West Line holding furnace to determine compliance

with the limits on VOC capture and destruction efficiency, utilizing methods as approved by the Commissioner. This testing shall be repeated at least once every two and half (2.5) years from the date of the most recent valid compliance demonstration. Subsequent testing shall be performed for the furnace not tested during the prior testing cycle.

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

D.2.5 Furnace Temperature

- (a) A continuous monitoring system shall be calibrated, maintained, and operated on each of the furnaces for measuring operating temperature of each furnace. For the purpose of this condition, continuous means no less than once per minute. The output of this system shall be recorded as 3-hour average. From the date of issuance of this permit until the approved stack test results are available, the Permittee shall operate each furnace at or above the 3-hour average temperature of 2,000°F.
- (b) The Permittee shall determine the 3-hour average temperature from the most recent valid stack test that demonstrates compliance with limits in Condition D.2.1, as approved by IDEM.
- (c) On and after the date the approved stack test results from the initial compliance test are available, and until such time that approved stack test results are available for both furnaces, the Permittee shall operate the North Rotary Furnace and the South Rotary Furnace at or above the 3-hour average temperature as observed during the initial compliant stack test for the North Rotary Furnace or the South Rotary Furnace.
- (d) On and after the date the approved stack test results from the initial compliance test are available, and until such time that approved stack test results are available for both furnaces, the Permittee shall operate the 055 East Line holding furnace and the 055 West Line holding furnace at or above the 3-hour average temperature as observed during the initial compliant stack test for the 055 East Line holding furnace or the 055 West Line holding furnace.
- (e) On and after the date the that approved stack test results are available for each furnace, the Permittee shall operate the North Rotary Furnace, the South Rotary Furnace, the 005 East Line holding furnace, and the 055 West Line holding furnace at or above the 3-hour average temperature as observed during the most recent compliant stack test, respectively.

D.2.6 Parametric Monitoring

- (a) The fan amperage shall be observed at least once per day, and upon redirecting the emissions from any one (1) of the four (4) furnaces to another of the four (4) furnaces, when the 055 West Line or 055 East Line Quench System are in operation.
- (b) The Permittee shall determine the appropriate fan amperage from the most recent valid stack test that demonstrates compliance with limits in Condition D.2.1 as approved by IDEM.
- (c) On and after the date the approved stack test results from the initial compliance test are available for the North Rotary Furnace or South Rotary Furnace, and until such time that approved stack test results are available for both furnaces, the fan amperage shall be maintained within the normal range, as established during the initial compliant stack test for the North Rotary Furnace or the South Rotary Furnace.

- (d) On and after the date the approved stack test results from the initial compliance test are available for 055 East Line holding furnace or the 055 West Line holding furnace, and until such time that approved stack test results are available for both furnaces, the fan amperage shall be maintained within the normal range, as established during the initial compliant stack test for 055 East Line holding furnace or the 055 West Line holding furnace.
- (e) On and after the date the that approved stack test results are available for each furnace, the fan amperage shall be maintained within the normal range as observed during the most recent compliant stack test.

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

D.2.7 Record Keeping Requirements

- (a) To document compliance with Condition D.2.1, the Permittee shall maintain records of the following:
 - (1) Monthly purchase records of the VOC input to the 055 West Line and 055 East Line Quench Systems and associated quench solution storage tanks.
 - (2) Records of the furnace the 055 West Line and 055 East Line Quench Systems are venting to when in operation, and the date and time when emissions are redirected.
 - (3) Monthly purchase records of the VOC input to the 055 West Line and 055 East Line Mill Emulsion Systems.
- (b) To document compliance with Condition D.2.6, the Permittee shall maintain records of the continuous temperature records (reduced to 3-hour block averages) for the North Rotary Furnace, the South Rotary Furnace, the 055 West Line holding furnace, and the 055 East Line holding furnace and the 3-hour average temperature used to demonstrate compliance during the most recent compliant stack test.
- (c) To document compliance with Condition D.2.6, the Permittee shall maintain a daily record of the fan amperage, records of the date and time the emissions were redirected, and the amperage used to demonstrate compliance during the most recent compliant stack test. The Permittee shall include in its daily record when a fan amperage record is not taken and the reason for the lack of the fan amperage record (e.g. the process did not operate that day).
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.8 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.2.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Specifically Regulated Insignificant Activities

- (a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]
- (b) Furnaces used for melting metals other than beryllium with a brim full capacity of less than or equal to 450 cubic inches by volume. [326 IAC 6-3-2]
- (c) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5]
- (d) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]

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

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

D.3.1 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from the insignificant welding, brazing, cutting torch, soldering operations, and the furnaces with a capacity less than 450 cubic inches by volume, shall be limited by the following:

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

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

D.3.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2, the owner or operator of cold cleaning degreasing (item (c) in the facility description) operations constructed after January 1, 1980, shall:

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;
- (c) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) Provide a permanent, conspicuous label summarizing the operation requirements; and
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.3.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaner degreaser facility (item (c) in the facility description)

construction of which commenced after July 1, 1990, shall ensure that the following control equipment requirements are met:

- (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));
 - (B) The solvent is agitated; or
 - (C) The solvent is heated.
 - (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
 - (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
 - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility construction of which commenced after July 1, 1990, shall ensure that the following operating requirements are met:
- (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Essex Group Inc., Metals Processing Center
Source Address: 2601 South 600 East, Columbia City, Indiana 46725
Mailing Address: : 2601 South 600 East, Columbia City, Indiana 46725
Part 70 permit No.: T183-6488-00016

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Phone:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865**

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Essex Group Inc., Metals Processing Center
Source Address: 2601 South 600 East, Columbia City, Indiana 46725
Mailing Address: 2601 South 600 East, Columbia City, Indiana 46725
Part 70 permit No.: T183-6488-00016

This form consists of 2 pages

Page 1 of 2

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

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

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

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

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N 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

Part 70 Quarterly Report

Source Name: Essex Group Inc., Metals Processing Center
Source Address: 2601 South 600 East, Columbia City, Indiana 46725
Mailing Address: 2601 South 600 East, Columbia City, Indiana 46725
Part 70 permit No.: T183-6488-00016
PSD/SSM No.: 183-24485-00016
Facility: 055 East Line Mill Emulsion System and associated mill emulsion storage tank;
055 West Line Mill Emulsion System and associated mill emulsion storage tank
Parameter: VOC
Limit: Shall not exceed two (2) tons per twelve (12) consecutive month period per System

Note that a separate report must be completed for the 055 East Line and 055 West Line Mill Emulsion systems.

QUARTER: _____ YEAR: _____

Month	Column 1 This Month VOC Input (lb/month)	Column 2 Previous 11 Months VOC Input (lb/month)	Column 1 + Column 2 VOC input 12 Month Total
Month 1			
Month 2			
Month 3			

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

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

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Essex Group Inc., Metals Processing Center
Source Address: 2601 South 600 East, Columbia City, Indiana 46725
Mailing Address: 2601 South 600 East, Columbia City, Indiana 46725
Part 70 permit No.: T183-6488-00016
Facility: 055 East Line Quench System and associated quench solution storage tank; 055 West Line Quench System and associated quench solution storage tank
Parameter: VOC
Limit: The VOC input shall not exceed 9.125 tons per month per system.

Note that a separate report must be completed for the 055 East Line and 055 West Line Quench Systems.

QUARTER: _____ YEAR: _____

Column 1: VOC input (ton) 1st Month	Column 2 VOC input (ton) 2nd Month	Column 3: VOC input (ton) 3rd Month

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

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

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Essex Group Inc., Metals Processing Center
Source Address: 2601 South 600 East, Columbia City, Indiana 46725
Mailing Address: 2601 South 600 East, Columbia City, Indiana 46725
Part 70 permit No.: T183-6488-00016
Facility: North and South rotary furnaces
Parameter: Copper produced
Limit: Shall not exceed 23,800 tons per twelve (12) consecutive month period, combined.

QUARTER: _____ YEAR: _____

Month	Column 1: This Month Copper Produced (ton/month)	Column 2: Previous 11 Months Copper Produced (ton/month)	Column 1 + Column 2: 12 Month Total Copper Produced
Month 1:			
Month 2:			
Month 3:			

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

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

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Essex Group Inc., Metals Processing Center
Source Address: 2601 South 600 East, Columbia City, Indiana 46725
Mailing Address: 2601 South 600 East, Columbia City, Indiana 46725
Part 70 permit No.: T183-6488-00016
Facility: 055 West Copper Bar and Rod Manufacturing Process
Parameter: Copper produced
Limit: Shall not exceed 124,830 tons per twelve (12) consecutive month period

QUARTER: _____ YEAR: _____

Month	Column 1: This Month Copper Produced (ton/month)	Column 2: Previous 11 Months Copper Produced (ton/month)	Column 1+ Column 2: 12 Month Total Copper Produced
Month 1:			
Month 2:			
Month 3:			

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

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

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

**PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Essex Group Inc., Metals Processing Center
Source Address: 2601 South 600 East, Columbia City, Indiana 46725
Mailing Address: 2601 South 600 East, Columbia City, Indiana 46725
Part 70 permit No.: T183-6488-00016

Months: _____ to _____ Year: _____

Page 1 of 2

<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>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

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

Form Completed By:

Title/Position:

Date:

Phone:

Attach a signed certification to complete this report.

Indiana Department of Environmental Management Office of Air Quality

Addendum to the Technical Support Document for a Significant Source Modification and a Significant Permit Modification to a Part 70 Operating Permit

Source Name: Essex Group, Inc. - Metals Processing Center
 Source Location: 2601 South 600 East
 County: Whitley
 SIC Code: 3357, 3351
 NAICCS Code: 331422, 331421
 Operating Permit No.: T183-6488-00016
 PSD Source Modification No.: 183-24485-00016
 Permit Modification No.: 183-24195-00016
 Permit Reviewer: Jenny Acker

On July 13, 2007, the Office of Air Quality (OAQ) had a notice published in the Post and Mail in Columbia City, Indiana, stating that Essex Group, Inc. - Metals Processing Center had applied for a modification to the Part 70 Operating Permit No.: 183-6488-00016. The notice also stated that OAQ proposed to issue a permit for this modification 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.

Upon further review, the OAQ has decided to make the following revisions to the permit (bolded language has been added, the language with a line through it has been deleted).

1. Paragraph (c) of Condition C.18, Record Keeping Requirements, has been revised as follows:

C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2]
 [326 IAC 2-3]

- (c) If there is a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-3(II)) at an existing emissions unit, **other than projects** ~~or~~ at a source with Plantwide Applicability Limitation~~(s)~~ (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-3(mm)), the Permittee shall comply with following:

No change will be made to the original TSD. The OAQ prefers that the TSD reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision.

Indiana Department of Environmental Management Office of Air Quality

Technical Support Document (TSD) for a Part 70 Significant Permit Modification

Source Description and Location

Source Name:	Essex Group, Inc. - Metals Processing Center
Source Location:	2601 South 600 East, Columbia City, IN 46725
County:	Whitley
SIC Code:	3351 and 3357
NAICSS Code:	331422 and 331421
Operation Permit No.:	T 183-6488-00016
Operation Permit Issuance Date:	October 30, 2003
PSD/SSM No.:	183-24485-00016
Significant Permit Modification No.:	183-24195-00016
Permit Reviewer:	Jenny Acker

Existing Approvals

The source was issued Part 70 Operating Permit No. 183-6488-00016 on October 30, 2003.

County Attainment Status

The source is located in Whitley County.

Pollutant	Status
PM10	Attainment
PM2.5	Attainment
SO ₂	Attainment
NO ₂	Attainment
8-hour Ozone	Attainment
CO	Attainment
Lead	Attainment

- (a) Volatile organic compounds (VOC) and nitrogen oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Whitley County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) Whitley County has been classified as attainment for PM_{2.5}. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM_{2.5} emissions. Therefore, until the U.S. EPA adopts specific provisions for PSD review for PM_{2.5} emissions, it has directed states to regulate PM₁₀ emissions as a surrogate for PM_{2.5} emissions.

- (c) Whitley County has been classified as attainment or unclassifiable for PM₁₀, SO₂, NO₂, CO, and Lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) Fugitive Emissions
Since this type of operation is one of the twenty-eight (28) listed source categories under 326 IAC 2-2, fugitive emissions are counted toward the determination of PSD and Emission Offset applicability.

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Essex Group, Inc. – Metals Processing Center on April 19, 2006. The Permittee has requested certain changes to the existing Part 70 compliance monitoring conditions and that the 091 Line and associated emission units, and several insignificant combustion activities be deleted from the permit, since these emission units are no longer in operation.

The source subsequently submitted an additional modification application on January 12, 2007, requesting the following changes:

- o Replace the mill emulsion solution used in the 055 West Line Mill Emulsion System and the 055 East Line Mill Emulsion System, with a synthetic water soluble lubricant, and vent the emissions into the air. The mill emulsion systems include the associated storage tanks.
- o Route the emissions from the quench systems, 055 West Line Quench System and 055 East Line Quench System, to one of the following furnaces: North Rotary furnace, South Rotary Furnace, 055 West Line holding furnace, 055 East Line holding furnace. The alcohol quench systems included the associated storage tanks.

Pursuant to PSD BACT requirements, the emissions from the 055 West Line Mill Emulsion System, 055 East Line Mill Emulsion System, 055 West Line Quench System, and 055 East Line Quench System are currently vented to and controlled by a recuperative thermal oxidizer (RTO), identified as CE-03. In order to modify the current venting and control configuration, the PSD BACT limits originally established in PSD SSM No. 183-14400-00016, issued July 9, 2003, are being re-evaluated as part of this modification.

IDEM, OAQ will process both applications as one.

Enforcement Issues

IDEM is aware that there is a pending enforcement action for a failed stack test (September 2006) for VOC destruction efficiency. IDEM is reviewing this matter and will take the appropriate action.

Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

Permit Level Determination – Part 70

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount

of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency.”

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE of the modification before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	PTE Before Modification (tons/year)	PTE After Modification (tons/year)	Net Difference (tons/year)
PM	0	0	0
PM10	0	0	0
SO ₂	0	0	0
VOC	2628	223	-2405
CO	0	0	0
NO _x	0	0	0
HAPs	0	0	0

The Part 70 Operating permit is being modified through a Part 70 Significant Source Modification, pursuant to 326 IAC 2-7-10.5(f)(1), because the modification is subject to 326 IAC 2-2. The Part 70 Operating permit is being modified through a Part 70 Significant Permit Modification, pursuant to 326 IAC 2-7-12(d)(1), because the modification involves a significant change to an existing Part 70 term or condition.

Permit Level Determination – PSD or Emission Offset

In order to accommodate the modifications to the 055 West and 055 East Quench Systems and the 055 West and 055 East Mill Emulsion Systems, the VOC PSD BACT limits originally established in PSD / SSM No.: 183-14400-00016, issued July 9, 2003, must be re-opened and re-evaluated. As a result, this modification is subject to the requirements of 326 IAC 2-2. See the *State Rule Applicability – 326 IAC 2-2* section of this document for more information.

Federal Rule Applicability Determination

The following federal rules are applicable to the source due to this modification:

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) applicable to this proposed modification.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) applicable to this proposed modification.
- (c) The 055 West and 055 East Alcohol Quench and Mill Emulsion Systems are not subject to the provisions of 40 CFR Part 64, Compliance Assurance Monitoring (CAM). In order for this rule to apply, a pollutant-specific-emissions-unit at a source that requires a Part 70 or Part 71 permit must meet three criteria for a given pollutant: 1) the unit is subject to an applicable emission limitation or standard for the applicable regulated air pollutant, 2) the unit uses a control device to achieve compliance with any such emission limitation or standard, and 3) the unit has the potential to emit, of the applicable regulated air pollutant, equal or greater than 100 percent of the amount required for a source to be classified as a major source. The 055 West and 055 East Alcohol Quench and Mill Emulsion Systems do not meet these criteria and therefore, are not subject to 40 CFR Part 64 (CAM).

State Rule Applicability Determination

326 IAC 2-2 (Prevention of Significant Deterioration)

This source is located in Whitley County which is designated as attainment or unclassifiable for all criteria pollutants. The net emissions increase of the modification is less than the relevant PSD major modification thresholds. Therefore, the modification would not trigger PSD based on the level of emissions increase. However, in order to modify the BACT emission limitations and required control technology, the PSD BACT limits originally established in PSD/SSM 183-14400-00016, issued July 9, 2003, must be revised. As a result, this modification is subject to the requirements of 326 IAC 2-2.

The PSD provisions require that this modification be reviewed to ensure compliance with the National Ambient Air Quality Standards and to apply the requirements of 326 IAC 2-2. Specifically, 326 IAC 2-2-3 requires the determination and implementation of BACT, 326 IAC 2-2-4 and 326 IAC 2-2-5 require the evaluation of the modification's impact on air quality, 326 IAC 2-2-6 requires an assessment of increment consumption and 326 IAC 2-2-7 requires an evaluation of additional impacts.

326 IAC 2-2-3 (PSD: Best Available Control Technology)

For the purpose of evaluating VOC emissions, the quench process and the mill emulsion process have been evaluated separately. Pursuant to 326 IAC 2-2-3, BACT for VOC has been evaluated and determined for each of these processes; see Appendix B for more information.

With respect to this modification, the requirement to comply with the provisions of 326 IAC 2-2 does not include 326 IAC 2-2-4 (Air Quality Analysis), 326 IAC 2-2-5 (Air Quality Impact), 326 IAC 2-2-6 (Increment Consumption) and 326 IAC 2-2-7 (Additional Analyses) because: 1) the existing allowable post-BACT VOC emission rate of 52.56 tpy will decrease to 8.38 tpy after issuance, and 2) no ozone increment is known to exist.

PSD VOC BACT has been determined to be the following:

- (a) The VOC input to the 055 East Line Quench System and the associated quench solution storage tank, shall not exceed 9.125 tons per month.
- (b) The VOC input to the 055 West Line Quench System and the associated quench solution storage tank, shall not exceed 9.125 tons per month.
- (c) The emissions from the 055 East and 055 West Quench Systems, including the two (2) quench solution storage tanks, shall be controlled by one (1) of the following four (4) furnaces: North Rotary Furnace, South Rotary Furnace, 055 West Line holding furnace, or 055 East Line holding furnace. The capture system shall have a capture efficiency of 100% and each furnace shall achieve a minimum VOC destruction efficiency of 98%.
- (d) The total VOC input to the 055 East Line Mill Emulsion System and the associated mill emulsion storage tank, shall not exceed two (2) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (e) The total VOC input to the 055 West Line Mill Emulsion System and the associated mill emulsion storage tank, shall not exceed two (2) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

326 IAC 2-3 (Emission Offset)

Whitley County is designated as attainment or unclassifiable for all criteria pollutants. Therefore, the requirements of 326 IAC 2-3 do not apply to this modification.

326 IAC 2-4.1 (Hazardous Air Pollutants)

This modification does not involve the construction or reconstruction of a major source of hazardous air pollutants. Therefore, pursuant to 326 IAC 2-4.1-1, this modification is not subject to the requirements of 326 IAC 2-4.1.

326 IAC 8-1-6 (Volatile Organic Compounds - BACT)

The alcohol quench and mill emulsion systems were constructed after January 1, 1980, have potential emissions greater than twenty-five (25) tons of VOC per year, and are not regulated by other provisions of 326 IAC 8. Therefore, the 055 West Line and 055 East Line Quench and Mill Emulsion Systems are subject to the requirements of 326 IAC 8-1-6 (BACT).

Compliance with the requirements of 326 IAC 2-2 (PSD) shall meet the requirements of 326 IAC 8-1-6 (BACT).

Testing Requirements

In order to demonstrate compliance with the 326 IAC 2-2 (PSD) and the 326 IAC 8-1-6 (BACT), the Permittee shall comply with the following:

The Permittee shall conduct a performance test to determine compliance with Condition D.2.1 for the North Rotary Furnace, the South Rotary Furnace, the 055 West Line holding furnace, and the 055 East Line holding furnace using methods as approved by the commissioner. The testing shall be conducted according to the following schedule:

- (a) Within sixty (60) days after achieving maximum capacity but no later than one hundred and eighty (180) days after redirecting the emissions from the RTO (CE-03), the Permittee shall conduct the initial compliance test for either the North Rotary Furnace or the South Rotary Furnace to determine compliance with the limits on VOC capture and destruction efficiency, utilizing methods as approved by the Commissioner. This testing shall be repeated at least once every two and half (2.5) years from the date of the most recent valid compliance demonstration. Subsequent testing shall be performed for the furnace not tested during the prior testing cycle.
- (b) Within sixty (60) days after achieving maximum capacity but no later than one hundred and eighty (180) days after redirecting the emissions from the RTO (CE-03), the Permittee shall conduct the initial compliance test for either the 055 East Line holding furnace or the 055 West Line holding furnace to determine compliance with the limits on VOC capture and destruction efficiency, utilizing methods as approved by the Commissioner. This testing shall be repeated at least once every two and half (2.5) years from the date of the most recent valid compliance demonstration. Subsequent testing shall be performed for the furnace not tested during the prior testing cycle.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements 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.

The Compliance Determination Requirements applicable to the modified alcohol quench and mill emulsion systems are as follows:

- (a) In order to demonstrate compliance with 326 IAC 2-2 and 326 IAC 8-1-6, one (1) of the four (4) furnaces (North Rotary Furnace, South Rotary Furnace, 055 West Line holding furnace, or 055 East Line holding furnace) shall control emissions from the 055 East Line and 055 West Line Quench Systems at all times that the 055 East Line and 055 West Line Quench Systems are in operation.
- (b) Furnace Temperature:
 - (1) A continuous monitoring system shall be calibrated, maintained, and operated on each of the furnaces for measuring operating temperature of each furnace. For the purpose of this condition, continuous means no less than once per minute. The output of this system shall be recorded as 3-hour average. From the date of issuance of this permit until the approved stack test results are available, the Permittee shall operate each furnace at or above the 3-hour average temperature of 2,000°F.
 - (2) The Permittee shall determine the 3-hour average temperature from the most recent valid stack test that demonstrates compliance with limits required by 326 IAC 2-52 and 326 IAC 8-1-6, as approved by IDEM.
 - (3) On and after the date the approved stack test results from the initial compliance test are available, and until such time that approved stack test results are available for both furnaces, the Permittee shall operate the North Rotary Furnace and the South Rotary Furnace at or above the 3-hour average temperature as observed during the initial compliant stack test for the North Rotary Furnace or the South Rotary Furnace.
 - (4) On and after the date the approved stack test results from the initial compliance test are available, and until such time that approved stack test results are available for both furnaces, the Permittee shall operate the 055 East Line holding furnace and the 055 West Line holding furnace at or above the 3-hour average temperature as observed during the initial compliant stack test for the 055 East Line holding furnace or the 055 West Line holding furnace.
 - (5) On and after the date the that approved stack test results are available for each furnace, the Permittee shall operate the North Rotary Furnace, the South Rotary Furnace, the 005 East Line holding furnace, and the 055 West Line holding furnace at or above the 3-hour average temperature as observed during the most recent compliant stack test, respectively.
- (c) Fan Amperage:
 - (1) The fan amperage shall be observed at least once per day, and upon redirecting the emissions from any one (1) of the four (4) furnaces to another of the four (4) furnaces, when the 055 West Line or 055 East Line Quench System is in operation.

- (2) The Permittee shall determine the appropriate fan amperage from the most recent valid stack test that demonstrates compliance with limits in Condition D.2.1 as approved by IDEM.
- (3) On and after the date the approved stack test results from the initial compliance test are available for the North Rotary Furnace or South Rotary Furnace, and until such time that approved stack test results are available for both furnaces, the fan amperage shall be maintained within the normal range, as established during the initial compliant stack test for the North Rotary Furnace or the South Rotary Furnace.
- (4) On and after the date the approved stack test results from the initial compliance test are available for 055 East Line holding furnace or the 055 West Line holding furnace, and until such time that approved stack test results are available for both furnaces, the fan amperage shall be maintained within the normal range, as established during the initial compliant stack test for 055 East Line holding furnace or the 055 West Line holding furnace.
- (5) On and after the date the that approved stack test results are available for each furnace, the fan amperage shall be maintained within the normal range as observed during the most recent compliant stack test.

These conditions are necessary because the capture equipment and furnaces must operate properly to ensure compliance with 326 IAC 2-2 (PSD BACT) and 326 IAC 8-1-6 (BACT).

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. 183-6488-00016. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

Modification No. 1:

Facility descriptions in Sections A.2, A.3, D.1, and D.2, have been modified to reflect the following changes:

- Remove the process identified as 091 Line and associated emission units.
- Remove reference to several insignificant combustion units, which are no longer in operation.
- Revise the facility description of the 055 West Line Mill Emulsion System (P-5) and the 055 East Line Mill Emulsion System (P-6) to reflect that the emissions from these systems no longer vent to CE-03 and will vent into the room.
- Revise the facility description of the 055 West Line Quench System (P-5) and the 055 East Line Quench System (P-6) to reflect that the emissions from these systems no longer vent to CE-03. Instead the emissions will vent to either North Rotary Furnace, the South Rotary Furnace, the 055 West Line holding furnace, or the 055 East Line holding furnace.

Section D.3 has been deleted since the storage tanks associated with process 091 have been removed and the remaining storage tanks have been moved into Section D.2. The facility description in Section D.3 (formerly Section D.4) is modified since there is no requirement or rule that applies to the remaining insignificant combustion units, and Conditions D.1.2 and D.3.2 (formerly Condition D.4.2) have been deleted as these conditions apply to removed emissions units.

Remaining Conditions have been renumbered as necessary.

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

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

Rotary Furnaces

- (a) Two (2) natural gas-fired Rotary Furnaces, identified as North Rotary Furnace and South Rotary Furnace (P-1), each constructed in 1985, each with a maximum heat input capacity of 22 MMBtu/hr and a maximum capacity of 1.43 tons of copper per hour, with emissions controlled by a baghouse, and exhausting to stack S-1.

Copper Rod and Bar Manufacturing

- ~~(b) One (1) Copper Rod and Bar Manufacturing Process, identified as 091 Line, constructed in 1975, a maximum charging capacity of 20 tons of copper per hour and melt capacity of 15 tons per hour, with emissions uncontrolled, exhausting to stack S-4, and consisting of:~~

~~(1) One (1) natural gas-fired vertical melt furnace, with a heat input capacity of 24 MMBtu/hr,~~

~~(2) One (1) holding furnace, with a heat input capacity of 2.0 MMBtu/hr,~~

~~(3) One (1) tundish, with a heat input capacity of 1.5 MMBtu/hr, and~~

~~(4) Various ancillary launders, with an aggregate heat input capacity of 2.5 MMBtu/hr.~~

- (be) One (1) Copper Rod and Bar Manufacturing Process, identified as 055 West Line, constructed in 1985, a maximum charging capacity of 20 tons of copper per hour and melt capacity of 15 tons per hour, with emissions uncontrolled, exhausting to stack S-2, and consisting of:

(1) One (1) natural gas-fired vertical melt furnace, with a heat input capacity of 24 MMBtu/hr,

(2) One (1) holding furnace, with a heat input capacity of 2.0 MMBtu/hr,

(3) One (1) tundish, with a heat input capacity of 1.5 MMBtu/hr, and

(4) Various ancillary launders, with an aggregate heat input capacity of 2.5 MMBtu/hr.

- (cd) One (1) Copper Rod and Bar Manufacturing Process, identified as 055 East Line, constructed in 1994, a maximum charging capacity of 20 tons of copper per hour and melt capacity of 15 tons per hour, with emissions uncontrolled, exhausting to stack S-3, and consisting of:

(1) One (1) natural gas-fired vertical melt furnace, with a heat input capacity of 24 MMBtu/hr,

(2) One (1) holding furnace, with a heat input capacity of 2.0 MMBtu/hr,

(3) One (1) tundish, with a heat input capacity of 1.5 MMBtu/hr, and

(4) Various ancillary launders, with an aggregate heat input capacity of 2.5 MMBtu/hr.

055 West Alcohol Quench Process

- (dg) One (1) Mill Emulsion System, identified as 055 West Line Mill Emulsion System (P-5), constructed in 1985, which pumps a mill emulsion solution ~~containing 0.2%–2.5% by volume IPA through sprays in an enclosed rolling mill stand area, emissions controlled by a recuperative thermal oxidizer, identified as CE-03, exhausting to vent V-6 and stack S-10~~ **venting into the building.**
- (eh) One (1) Alcohol Quench System, identified as 055 West Line Quench System (P-5), constructed in 1985, which pumps a quench solution ~~containing 0.8%–3.0% by volume IPA through ejectors into tubes, emissions controlled by a recuperative thermal oxidizer, identified as CE-03, exhausting to vent V-6 and stack S-10.~~ **The emissions are primarily controlled by the North Rotary Furnace or the South Rotary Furnace, collectively identified as P-1, exhausting to stack S-1. Alternatively, the emissions can be controlled by the 055 West Line holding furnace, exhausting to stack S-2, or the 055 East Line holding furnace, exhausting to stack S-3.**

~~The maximum capacity of the 055 West Line (Mill Emulsion System and Alcohol Quench System) is 300 pounds of 2-Propanol (IPA) per hour.~~

055 East Alcohol Quench Process

- (fi) One (1) Mill Emulsion System, identified as 055 East Line Mill Emulsion System (P-6), constructed in 1994, which pumps a mill emulsion solution ~~containing 0.2%–2.5% by volume IPA through sprays in an enclosed rolling mill stand area, emissions controlled by a recuperative thermal oxidizer, identified as CE-03, exhausting to vent V-7 and stack S-10~~ **venting into the building.**
- (gj) One (1) Alcohol Quench System, identified as 055 East Line Quench System (P-6), constructed in 1994, which pumps a quench solution ~~containing 0.8%–3.0% by volume IPA through ejectors into tubes, emissions controlled by a recuperative thermal oxidizer, identified as CE-03, exhausting to vent V-7 and stack S-10.~~ **The emissions are primarily controlled by the North Rotary Furnace or the South Rotary Furnace, collectively identified as P-1, exhausting to stack S-1. Alternatively, the emissions can be controlled by the 055 West Line holding furnace, exhausting to stack S-2, or the 055 East Line holding furnace, exhausting to stack S-3.**

~~The maximum capacity of the 055 East Line (Mill Emulsion System and Alcohol Quench System) is 300 pounds of 2-Propanol (IPA) per hour.~~

Storage Tanks

- (hk) One (1) 17,000 gallon mill emulsion storage tank, constructed in 1985, ~~used in conjunction with the 055 West Alcohol Quench Process, with emissions controlled by a recuperative thermal oxidizer, identified as CE-03, exhausting to stack S-10.~~ **This storage tank is part of the 055 West Line Mill Emulsion System.**
- (il) One (1) 7,500 gallon quench solution storage tank, constructed in 1985, ~~used in conjunction with the 055 West Alcohol Quench Process with emissions controlled by a recuperative thermal oxidizer, identified as CE-03, exhausting to stack S-10.~~ **This storage tank is part of the 055 West Line Quench System.**
- (jm) One (1) 17,000 gallon mill emulsion storage tank, constructed in 1994, ~~used in conjunction with the 055 East Alcohol Quench Process, with emissions controlled by a recuperative thermal oxidizer, identified as CE-03, exhausting to stack S-10.~~ **This storage tank is part of the 055 East Line Mill Emulsion System.**

- (kA) One (1) 7,500 gallon quench solution storage tank, constructed in 1994, ~~used in conjunction with the 055 East Alcohol Quench Process with emissions controlled by a recuperative thermal oxidizer, identified as CE-03, exhausting to stack S-10.~~ **This storage tank is part of the 055 East Line Quench System.**
- (e) ~~One (1) 17,000 gallon mill emulsion storage tank, constructed in 1975, used in conjunction with the 091 Alcohol Quench Process.~~
- (p) ~~One (1) 7,500 gallon quench solution storage tank, constructed in 1994, used in conjunction with the 091 Alcohol Quench Process.~~

091 Alcohol Quench Process

- (e) ~~One (1) Mill Emulsion System, identified as 091 Line Mill Emulsion System (P-3), constructed in 1975, which pumps a mill emulsion solution containing 0.2% – 2.5% by volume IPA through sprays in an enclosed rolling mill stand area, with emissions uncontrolled, exhausting to vent V-5.~~
- (f) ~~One (1) Alcohol Quench System, identified as 091 Line Quench System (P-3), constructed in 1975, which pumps a quench solution containing 0.8% – 3.0% by volume IPA through ejectors into tubes, with emissions uncontrolled, exhausting to vent V-5.~~

~~The maximum capacity of the 091 Line (Mill Emulsion System and Alcohol Quench System) is 300 pounds of 2-Propanol (IPA) per hour.~~

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

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

- (a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]
- (b) Furnaces used for melting metals other than beryllium with a brim full capacity of less than or equal to 450 cubic inches by volume. [326 IAC 6-3-2]
- (c) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5]
- (d) ~~Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour: one (1) 2.5 MMBtu/hr Clayton boiler [326 IAC 6-2-4].~~
- (de) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]

SECTION D.1

FACILITY OPERATION CONDITIONS

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

Rotary Furnaces

- (a) Two (2) natural gas-fired Rotary Furnaces, identified as North Rotary Furnace and South Rotary Furnace (P-1), each constructed in 1985, each with a maximum heat input capacity of 22 MMBtu/hr and a maximum capacity of 1.43 tons of copper per hour, with emissions controlled by a baghouse, and exhausting to stack S-1.

Copper Rod and Bar Manufacturing

~~(b) One (1) Copper Rod and Bar Manufacturing Process, identified as 091 Line, constructed in 1975, a maximum charging capacity of 20 tons of copper per hour and melt capacity of 15 tons per hour, with emissions uncontrolled, exhausting to stack S-4, and consisting of:~~

~~(1) One (1) natural gas-fired vertical melt furnace, with a heat input capacity of 24 MMBtu/hr,~~

~~(2) One (1) holding furnace, with a heat input capacity of 2.0 MMBtu/hr,~~

~~(3) One (1) tundish, with a heat input capacity of 1.5 MMBtu/hr, and~~

~~(4) Various ancillary launders, with an aggregate heat input capacity of 2.5 MMBtu/hr.~~

(be) One (1) Copper Rod and Bar Manufacturing Process, identified as 055 West Line, constructed in 1985, a maximum charging capacity of 20 tons of copper per hour and melt capacity of 15 tons per hour, with emissions uncontrolled, exhausting to stack S-2, and consisting of:

(1) One (1) natural gas-fired vertical melt furnace, with a heat input capacity of 24 MMBtu/hr,

(2) One (1) holding furnace, with a heat input capacity of 2.0 MMBtu/hr,

(3) One (1) tundish, with a heat input capacity of 1.5 MMBtu/hr, and

(4) Various ancillary launders, with an aggregate heat input capacity of 2.5 MMBtu/hr.

(ce) One (1) Copper Rod and Bar Manufacturing Process, identified as 055 East Line, constructed in 1994, a maximum charging capacity of 20 tons of copper per hour and melt capacity of 15 tons per hour, with emissions uncontrolled, exhausting to stack S-3, and consisting of:

(1) One (1) natural gas-fired vertical melt furnace, with a heat input capacity of 24 MMBtu/hr,

(2) One (1) holding furnace, with a heat input capacity of 2.0 MMBtu/hr,

(3) One (1) tundish, with a heat input capacity of 1.5 MMBtu/hr, and

(4) Various ancillary launders, with an aggregate heat input capacity of 2.5 MMBtu/hr.

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

D.1.2 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from:

(a) Each rotary furnace shall not exceed 5.21 pounds per hour when operating at a process weight rate of 1.43 tons per hour, each.

(b) Each copper bar and rod manufacturing process (identified as the 055 West, **and** 055 East **lines and 091 lines**) shall not exceed 30.51 pounds per hour when operating at a process weight rate of 20 tons per hour, each.

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

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

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

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

SECTION D.2 FACILITY OPERATION CONDITIONS

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

091 Alcohol Quench Process

- (e) ~~One (1) Mill Emulsion System, identified as 091 Line Mill Emulsion System (P-3), constructed in 1975, which pumps a mill emulsion solution containing 0.2%–2.5% by volume IPA through sprays in an enclosed rolling mill stand area, with emissions uncontrolled, exhausting to vent V-5.~~
- (f) ~~One (1) Alcohol Quench System, identified as 055 West Line Quench System (P-3), constructed in 1975, which pumps a quench solution containing 0.8%–3.0% by volume IPA through ejectors into tubes, with emissions uncontrolled, exhausting to vent V-5.~~

~~The maximum capacity of the 091 Line (Mill Emulsion System and Alcohol Quench System) is 300 pounds of 2-Propanol (IPA) per hour.~~

055 West Alcohol Quench Process

- ~~(d)~~ **(e)** One (1) Mill Emulsion System, identified as 055 West Line Mill Emulsion System (P-5), constructed in 1985, which pumps a mill emulsion solution containing 0.2%–2.5% by volume IPA through sprays in an enclosed rolling mill stand area, emissions controlled by a recuperative thermal oxidizer, identified as CE-03, exhausting to vent V-6 and stack S-10 **venting into the building.**
- ~~(e)~~ **(f)** One (1) Alcohol Quench System, identified as 055 West Line Quench System (P-5), constructed in 1985, which pumps a quench solution containing 0.8%–3.0% by volume IPA through ejectors into tubes, emissions controlled by a recuperative thermal oxidizer, identified as CE-03, exhausting to vent V-6 and stack S-10. **The emissions are primarily controlled by the North Rotary Furnace or the South Rotary Furnace, collectively identified as P-1, exhausting to stack S-1. Alternatively, the emissions can be controlled by the 055 West Line holding furnace, exhausting to stack S-2, or the 055 East Line holding furnace, exhausting to stack S-3.**

~~The maximum capacity of the 055 West Line (Mill Emulsion System and Alcohol Quench System) is 300 pounds of 2-Propanol (IPA) per hour.~~

055 East Alcohol Quench Process

- (fi) One (1) Mill Emulsion System, identified as 055 East Line Mill Emulsion System (P-6), constructed in 1994, which pumps a mill emulsion solution containing 0.2%–2.5% by volume IPA through sprays in an enclosed rolling mill stand area, emissions controlled by a recuperative thermal oxidizer, identified as CE-03, exhausting to vent V-7 and stack S-10 **venting into the building.**
- (gj) One (1) Alcohol Quench System, identified as 055 East Line Quench System (P-6), constructed in 1994, which pumps a quench solution containing 0.8%–3.0% by volume IPA through ejectors into tubes, emissions controlled by a recuperative thermal oxidizer, identified as CE-03, exhausting to vent V-7 and stack S-10. **The emissions are primarily controlled by the**

North Rotary Furnace or the South Rotary Furnace, collectively identified as P-1, exhausting to stack S-1. Alternatively, the emissions can be controlled by the 055 West Line holding furnace, exhausting to stack S-2, or the 055 East Line holding furnace, exhausting to stack S-3.

The maximum capacity of the 055 East Line (Mill Emulsion System and Alcohol Quench System) is 300 pounds of 2-Propanol (IPA) per hour.

Storage Tanks

- (h) One (1) 17,000 gallon mill emulsion storage tank, constructed in 1985. This storage tank is part of the 055 West Line Mill Emulsion System.
- (i) One (1) 7,500 gallon quench solution storage tank, constructed in 1985. This storage tank is part of the 055 West Line Quench System.
- (j) One (1) 17,000 gallon mill emulsion storage tank, constructed in 1994. This storage tank is part of the 055 East Line Mill Emulsion System.
- (k) One (1) 7,500 gallon quench solution storage tank, constructed in 1994. This storage tank is part of the 055 East Line Quench System.

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

SECTION D.3 FACILITY OPERATION CONDITIONS

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

Storage Tanks

- ~~(k) One (1) 17,000 gallon mill emulsion storage tank, constructed in 1985, used in conjunction with the 055 West Alcohol Quench Process, with emissions controlled by a recuperative thermal oxidizer, identified as CE-03, exhausting to stack S-10.~~
- ~~(l) One (1) 7,500 gallon quench solution storage tank, constructed in 1985, used in conjunction with the 055 West Alcohol Quench Process, with emissions controlled by a recuperative thermal oxidizer, identified as CE-03, exhausting to stack S-10.~~
- ~~(m) One (1) 17,000 gallon mill emulsion storage tank, constructed in 1994, used in conjunction with the 055 East Alcohol Quench Process, with emissions controlled by a recuperative thermal oxidizer, identified as CE-03, exhausting to stack S-10.~~
- ~~(n) One (1) 7,500 gallon quench solution storage tank, constructed in 1994, used in conjunction with the 055 East Alcohol Quench Process, with emissions controlled by a recuperative thermal oxidizer, identified as CE-03, exhausting to stack S-10.~~
- ~~(o) One (1) 17,000 gallon mill emulsion storage tank, constructed in 1975, used in conjunction with the 091 Alcohol Quench Process.~~
- ~~(p) One (1) 7,500 gallon quench solution storage tank, constructed in 1994, used in conjunction with the 091 Alcohol Quench Process.~~

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

Section ~~D.4~~**D.3**

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Specifically Regulated Insignificant Activities

- (a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]
- (b) Furnaces used for melting metals other than beryllium with a brim full capacity of less than or equal to 450 cubic inches by volume. [326 IAC 6-3-2]
- (c) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5]
- ~~(d) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour: forty-seven (47) 0.2 MMBtu/hr heaters, fifteen (15) 0.15 MMBtu/hr heaters, fourteen (14) 0.09 MMBtu/hr heaters, five (5) 0.14 MMBtu/hr heaters, three (3) 0.17 MMBtu/hr heaters, one (1) 0.39 MMBtu/hr heaters, and one (1) 2.5 MMBtu/hr Clayton boiler [326 IAC 6-2-4].~~
- (e d) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]

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

~~D.4.2 Particulate Matter Emission Limitations for Indirect Heating [326 IAC 6-2-4]~~

~~Pursuant to 326 IAC 6-2-4, the particulate matter emissions from the 2.5 MMBtu/hr natural gas-fired boiler shall not exceed 0.86 pounds per million BTU heat input.~~

~~This limitation is based on the following equation:~~

$$Pt = \frac{1.09}{Q^{0.26}} \quad Pt = \frac{\text{Pounds of particulate matter emitted per million}}{\text{Btu (lb/MMBtu) heat input.}}$$

~~Q = Total source maximum operating capacity rating in million Btu per hour (MMBtu/hr) heat input. The maximum operating capacity is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used (Q = 2.5 MMBtu/hr).~~

Modification No. 2:

The Section A, Section B and Section C conditions, as well as related conditions in D sections have been changed as follows:

- (a) IDEM, OAQ has determined that it is not necessary to list the Responsible Official name or title in Section A.1, Section A.1, General Information, of the permit. However, OAQ will still be evaluating if a change in RO meets the criteria specified in 326 IAC 2-7-1(34). The revised permit condition is as follows:

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

The Permittee owns and operates a stationary source consisting of a secondary copper plant that produces copper rods and bars.

Responsible Official: ~~Director of Operations, Metals Processing~~
Source Address: 2601 South 600 East, Columbia City, Indiana 46725
Mailing Address: 2601 South 600 East, Columbia City, Indiana 46725
General Source Phone Number: (260) 248-5553

SIC Code: 3351, 3357
County Location: Whitley
Source Location Status: Attainment for all criteria pollutants
Source Status: Part 70 Operating Permit Program
Major Source, under PSD
Minor Source, Section 112 of the Clean Air Act
1 of 28 Source Categories

- (b) All references to IDEM, OAQ's mailing address have been revised as follows:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, ~~P.O. Box 6015~~
MC61-53 IGCN 1003
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

Indiana Department of Environmental Management
Modeling Section, Office of Air Quality
100 North Senate Avenue, ~~P.O. Box 6015~~
MC61-50 IGCN 1003
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue, ~~P.O. Box 6015~~
MC61-52 IGCN 1003
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, ~~P.O. Box 6015~~
MC61-53 IGCN 1003
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, ~~P.O. Box 6015~~
MC61-53 IGCN 1003
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

Indiana Department of Environmental Management
Air Compliance Section, Office of Air Quality
100 North Senate Avenue, ~~P.O. Box 6015~~
MC61-53 IGCN 1003
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

- (c) All references to the IDEM, OAQ, Compliance Section telephone number have been revised as follows: ~~317-233-5674~~ **317-233-0178**.

All references to the IDEM, OAQ, Compliance Section facsimile number have been revised as follows: ~~317-233-5967~~ **317-233-6865**.

- (d) To clarify the permit term and the term of the conditions, original Conditions B.2 – Permit Term, B.13 – Prior Permits Superseded, and B.17 – Permit Renewal have been modified. Additionally, a new Section B condition, B.3 – Term of Conditions has been added.

- (e) IDEM has determined that the Permittee is not required to keep records of all preventive maintenance. However, where the Permittee seeks to demonstrate that an emergency has occurred, the Permittee must provide, upon request records of preventive maintenance in order to establish that the lack of proper maintenance did not cause or contribute to the deviation. Therefore, IDEM has deleted paragraph (b) of original Condition B.10 – Preventive Maintenance Plan and has amended original Condition B.11 – Emergency Provisions.
- (f) Upon further review, IDEM has decided to remove (d) concerning nonroad engines from original Condition B.18 – Permit Amendment or Modification. 40 CFR 89, Appendix A specifically indicates that states are not precluded from regulating the use and operation of nonroad engines, such as regulations on hours of usage, daily mass emission limits, or sulfur limits on fuel; nor are permits regulating such operations precluded, once the engine is no longer new.
- (g) For clarification purposes, Condition B.20 – Operational Flexibility has been revised.
- (h) Indiana has incorporated the credible evidence provision in 326 IAC 1-1-6. This rule became effective on March 16, 2005; therefore the condition reflecting this rule will be incorporated into the permit as condition B.25.
- (i) The last sentence of original Condition C.4 – Incineration, was deleted because the provisions of 326 IAC 9-1-2 are federally enforceable and are included in Indiana’s State Implementation Plan (SIP).
- (j) In order to avoid duplication of requirements which may be included in D sections, Condition C.6 – Operation of Equipment has been removed from the permit.
- (k) IDEM realizes that the specifications of original Condition C.13 – Pressure Gauge and Other Instrument Specifications, can only be practically applied to analog units, and has therefore clarified the condition to state that the condition only applies to analog units. Upon further review, IDEM has also determined that the accuracy of the instruments is not nearly as important as whether the instrument has a range that is appropriate for the normal expected reading of the parameter. Therefore, the language in original Condition C.13 has been revised.
- (l) IDEM has reconsidered the requirement to develop and follow a Compliance Response Plan (original Condition C.16). The Permittee will still be required to take reasonable response steps when a compliance monitoring parameter is determined to be out of range or abnormal. Replacing the requirement to develop and follow a Compliance Response Plan with a requirement to take reasonable response steps will ensure that the control equipment is returned to proper operation as soon as practicable, while still allowing the Permittee the flexibility to respond to situations that were not anticipated. Therefore, original Condition C.16 for the “Compliance Response Plan” has been replaced by Condition C.16 for the “Response to Excursions or Exceedances”. The Section D conditions that refers to this condition have been revised to reflect the new condition title (Refer to the changes in the section of Proposed Changes).
- (m) Revisions were made to the Emission Statement condition (original Condition C.17) to incorporate the revisions to 326 IAC 2-6 that became effective March 27, 2004. The revised rule was published in the April 1, 2004 Indiana Register. Additionally, the clean unit and pollution control project provisions of the U.S. EPA’s New Source Review Reform Rules were vacated on June 24, 2005 by a United States Court of Appeals for the District of Columbia Circuit decision. This decision also remanded the “reasonable possibility” standard back to U.S. EPA. The OAQ plans to remove the vacated provisions from 326 IAC 2 at the next state rulemaking opportunity. Condition C.18 (original Condition C.17) has been modified accordingly.
- (n) Revisions to have been made to the Section C – General Recordkeeping and Section C – General Reporting Requirements (Conditions C.19 and C.20) to reflect NSR (New Source Review) reform provisions at the major sources.

- (o) IDEM has determined that it is the Permittee's responsibility to include routine control device inspection requirements in the applicable preventive maintenance plan. Since the Permittee is in the best position to determine the appropriate frequency of control device inspections and the details regarding which components of the control device should be inspected, the conditions requiring control device inspections have been removed from the permit. In addition, the requirement to keep records of the inspections has been removed.
- (p) Upon further review, IDEM has determined that once per day visible emission notations and once per day monitoring of the control device is generally sufficient to ensure proper operation of the emission units and control devices. Therefore, the monitoring frequency has been changed from once per shift to once per day in the revised permit.
- (q) Paragraph (a) of the Section D – Broken or Failed Baghouse has been deleted and replaced with a condition specific to single compartment baghouses which control emissions from continuously operating processes.
- (r) Paragraph (b) of the Section D – Broken or Failed Baghouse conditions has been revised for those processes that operate in batch mode. The condition required an emission unit to be shut down immediately in case of baghouse failure. However, IDEM is aware there can be safety issues with shutting down a process in the middle of a batch. IDEM also realizes that in some situations, shutting down an emissions unit mid-process can cause equipment damage. Therefore, since it is not always possible to shut down a process with material remaining in the equipment, IDEM has revised the condition to state that in the case of baghouse failure, the feed to the process must be shut off immediately, and the process shall be shut down as soon as practicable.

SECTION B ————— GENERAL CONDITIONS

B.1 — Definitions [326 IAC 2-7-1]

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

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

~~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.3 — Enforceability [326 IAC 2-7-7]

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

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

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

B.5 — Severability [326 IAC 2-7-5(5)]

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

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

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

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

- ~~(a) — The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.~~
- ~~(b) — For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.~~

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

- ~~(a) — Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.~~
- ~~(b) — One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.~~
- ~~(c) — A responsible official is defined at 326 IAC 2-7-1(34).~~

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

- ~~(a) — The Permittee shall annually submit a compliance certification report which addresses the status of the source’s compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted 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~~

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

- ~~(b) — The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.~~
- ~~(c) — The annual compliance certification report shall include the following:~~
- ~~(1) — The appropriate identification of each term or condition of this permit that is the basis of the certification;~~
- ~~(2) — The compliance status;~~

- ~~(3) — Whether compliance was continuous or intermittent;~~
- ~~(4) — The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and~~
- ~~(5) — Such other facts, as specified in Sections D of this permit, as IDEM, OAQ, may require to determine the compliance status of the source.~~

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

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

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

- ~~(1) — Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;~~
- ~~(2) — A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and~~
- ~~(3) — Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.~~

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

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

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

- ~~(b) — The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.~~
- ~~(c) — A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).~~
- ~~(d) — To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.~~

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

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

- ~~(b) — An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:~~
- ~~(1) — An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;~~
 - ~~(2) — The permitted facility was at the time being properly operated;~~
 - ~~(3) — During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;~~
 - ~~(4) — For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;~~

~~Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or~~
~~Telephone Number: 317-233-5674 (ask for Compliance Section)–~~
~~Facsimile Number: 317-233-5967~~
 - ~~(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~~

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

~~The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:~~

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

~~The notification which shall be submitted by the Permittee does not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).~~
 - ~~(6) — The Permittee immediately took all reasonable steps to correct the emergency.~~

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

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

- ~~(e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.~~
- ~~(f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.~~
- ~~(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.~~
- ~~(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.~~

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

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

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.~~
- ~~(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.~~
- ~~(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.~~
- ~~(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
 - ~~(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;~~
 - ~~(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;~~
 - ~~(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and~~~~

- (4) ~~The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.~~
- (e) ~~This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).~~
- (f) ~~This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]~~
- (g) ~~This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]~~

~~B.13 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.~~

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

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

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

~~using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.~~

~~The Quarterly Deviation and Compliance Monitoring Report does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).~~

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

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

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

- ~~(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:~~
- ~~(1) That this permit contains a material mistake.~~
 - ~~(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.~~
 - ~~(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]~~
- ~~(c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]~~
- ~~(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]~~

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

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

~~Request for renewal shall be submitted to:~~

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

- ~~(b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]~~
- ~~(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, on or before the date it is due.~~
 - ~~(2) If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.~~
- ~~(c) Right to Operate After Application for Renewal [326 IAC 2-7-3]~~

~~If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, 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, any additional information identified as being needed to process the application.~~

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

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

- ~~(a) — Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.~~
- ~~(b) — Any application requesting an amendment or modification of this permit shall be submitted to:
Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015~~
- ~~Any such application shall be certified by the "responsible official" as defined by —
326 IAC 2-7-1(34).~~
- ~~(c) — The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request.
[326 IAC 2-7-11(c)(3)]~~
- ~~(d) — No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.~~

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

- ~~(a) — No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.~~
- ~~(b) — Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.~~

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

- ~~(a) — The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:~~
- ~~(1) — The changes are not modifications under any provision of Title I of the Clean Air Act;~~
- ~~(2) — Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;~~

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

~~(4) — The Permittee notifies the:~~

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

~~and _____~~

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

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

~~(5) — The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-7-20(b), (c), or (e) and makes such records available, upon reasonable request, for public review.~~

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

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

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

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

~~(3) — Any change in emissions; and~~

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

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

~~(c) — Emission Trades [326 IAC 2-7-20(c)]~~

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

~~(d) — Alternative Operating Scenarios [326 IAC 2-7-20(d)]~~

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

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

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

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

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

- ~~(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;~~
- ~~(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;~~
- ~~(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;~~
- ~~(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and~~
- ~~(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.~~

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

- ~~(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.~~
- ~~(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~
- ~~(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]~~

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

- ~~(a) The Permittee shall pay annual fees to IDEM, OAQ, 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) ~~Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.~~
- (c) ~~The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, I/M & Billing Section), to determine the appropriate permit fee.~~

SECTION C ~~—————~~ SOURCE OPERATION CONDITIONS ~~—————~~

Entire Source

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

~~C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [40 CFR 52 Subpart P][326 IAC 6-3-2]~~

- (a) ~~Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.~~
- (b) ~~Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour. This condition is not federally enforceable.~~

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

~~C.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. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.~~

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

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

~~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). 326 IAC 6-4-2(4) is not federally enforceable.~~

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

~~Except as otherwise provided by statute or rule, or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment is 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. The provisions of 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4(d), (e), and (f), and 326 IAC 1-7-5(d) are not federally enforceable.~~

~~G.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~~

~~The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

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

- (f) ~~Demolition and renovation~~
~~The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).~~
- (g) ~~Indiana Accredited Asbestos Inspector~~
~~The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.~~

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

~~C.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.~~

~~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~~

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

- (b) ~~The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~
- (c) ~~Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the source submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty five (45) day period.~~

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

~~C.11 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]~~

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

~~may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:~~

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

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

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

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

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

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

~~C.13 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]~~

- ~~(a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.~~
- ~~(b) Whenever a condition in this permit requires the measurement of a temperature or 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 approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.~~

~~Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]~~

~~C.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~~

~~within ninety (90) days after the date of issuance of this permit.~~

~~The ERP does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).~~

- ~~(c) If the ERP is disapproved by IDEM, OAQ,, 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, 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 2-7-5(12)] [40 CFR 68]~~

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

~~C.16 Compliance Response Plan – Preparation, Implementation, Records, and Reports [326 IAC 2-7-5]
[326 IAC 2-7-6]~~

- ~~(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:
 - ~~(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.~~
 - ~~(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (c) 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, and it will be 10 days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.~~
- ~~(4) Failure to take reasonable response steps shall be considered a deviation from the permit.~~
- ~~(c) The Permittee is not required to take any further response steps for any of the following reasons:~~
- ~~(1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.~~
- ~~(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.~~
- ~~(3) An automatic measurement was taken when the process was not operating.~~
- ~~(4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.~~
- ~~(d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.~~
- ~~(e) The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.~~
- ~~(f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.~~
- ~~C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]~~
- ~~(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, 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 response action documents submitted pursuant to this condition do require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).~~

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

~~C.18 — Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)] [326 IAC 2-6]~~

- ~~(a) — The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by July 1st of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement shall meet the following requirements:~~

- ~~(1) — Indicate estimated actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);~~
- ~~(2) — Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) (“Regulated pollutant which is used only for purposes of Section 19 of this rule”) from the source, for purposes of Part 70 fee assessment.~~

- ~~(b) — The annual emission statement covers the twelve (12) consecutive month time period starting January 1 and ending December 31. The annual emission 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~~

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

- ~~(c) — The annual 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, on or before the date it is due.~~

~~C.19 — General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]~~

- ~~(a) — Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.~~

- ~~(b) — Unless otherwise specified in this permit, 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 2-7-5(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 “responsible official” as defined by 326 IAC 2-7-1(34).~~

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

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

- ~~(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.~~
- ~~(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).~~
- ~~(e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years.~~

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 B GENERAL CONDITIONS

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

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

B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

- ~~(a) This permit, 183-6488-00016, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.~~

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

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

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

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

B.4 Enforceability [326 IAC 2-7-7]

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

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

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

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

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

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

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

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

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by the "responsible official" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

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

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

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

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

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

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

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

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

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

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

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.**
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.**

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

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

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

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.**
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.**
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:**
 - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;**
 - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;**
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and**
 - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.**

- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

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

- (a) All terms and conditions of permits established prior to 183-6488-00016 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this combined permit, all previous registrations and permits are superseded by this combined new source review and part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

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

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.17 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

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

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
 - (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is

due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

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

B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12][40 CFR 72]

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

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

**Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251**

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

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

**B.19 Permit Revision Under Economic Incentives and Other Programs
[326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]**

- (a) **No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.**
- (b) **Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.**

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

- (a) **The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) without a prior permit revision, if each of the following conditions is met:**
- (1) **The changes are not modifications under any provision of Title I of the Clean Air Act;**
- (2) **Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;**

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

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b),(c), or (e). The Permittee shall make such records available, upon reasonable request, for public review.

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

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

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

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

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

- (d) **Alternative Operating Scenarios [326 IAC 2-7-20(d)]**
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.21 Source Modification Requirement [326 IAC 2-7-10.5]

- (a) A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.
- (b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2 (for sources located in NA areas).

B.22 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

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

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ 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) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

C.2 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 forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

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

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

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 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 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 by using ambient air quality modeling pursuant to 326 IAC 1-7-4.

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

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

(C) Waste disposal site.

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

All required notifications shall be submitted to:

**Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC61-52 IGCN 1003
Indianapolis, Indiana 46204-2251**

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (e) Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) Indiana Accredited Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

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

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

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

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

**Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251**

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

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).**
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.**

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

C.10 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

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

Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]

C.13 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
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

within ninety (90) days after the date of issuance of this permit.

The ERP does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) If the ERP is disapproved by IDEM, OAQ, 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 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.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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

C.15 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system)

to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:**
 - (1) initial inspection and evaluation;**
 - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or**
 - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.**
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:**
 - (1) monitoring results;**
 - (2) review of operation and maintenance procedures and records; and/or**
 - (3) inspection of the control device, associated capture system, and the process.**
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.**
- (e) The Permittee shall maintain the following records:**
 - (1) monitoring data;**
 - (2) monitor performance data, if applicable; and**
 - (3) corrective actions taken.**

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test
[326 IAC 2-7-5][326 IAC 2-7-6]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, 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 response action documents submitted pursuant to this condition do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

-
- (a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2004 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
 - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2]

-
- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.
- (c) If there is a "project" (as defined in 326 IAC 2-2-1 (qq)) at an existing emissions unit or at a source with Plantwide Applicability Limitation (PAL), which is not part of a

“major modification” (as defined in 326 IAC 2-2-1 (ee)) and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1 (rr) and/or IAC 2-3-1 (mm)), the Permittee shall comply with following:

- (1) Before beginning actual construction of the “project” (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, document and maintain the following records:**
 - (A) A description of the project.**
 - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.**
 - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:**
 - (i) Baseline actual emissions;**
 - (ii) Projected actual emissions;**
 - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1 (mm)(2)(A)(iii); and**
 - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.**
- (2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and**
- (3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.**

C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2]

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

**Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251**
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.**

- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (f) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ :
- (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx) and/or 326 IAC 2-3-1 (qq), for that regulated NSR pollutant, and
 - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(ii).
- (g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:
- (1) The name, address, and telephone number of the major stationary source.
 - (2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements.
 - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
 - (4) Any other information that the Permittee deems fit to include in this report,
- Reports required in this part shall be submitted to:
- Indiana Department of Environmental Management
Air Compliance Section, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

C.20 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.**

D.1.4 Particulate Control

- (a) In order to comply with Condition D.1.2, the baghouse shall control particulate emissions from the rotary furnaces at all times when the rotary furnaces are in operation.**
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.**

D.1.6 Visible Emissions Notations

- (a) Visible emission notations of the exhaust from the rotary furnaces and copper bar and rod manufacturing processes (exhausting to stacks S-1, S-2, **and** S-3, ~~and S-4~~) shall be performed once per ~~shift~~ **day** during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

D.1.7 Parametric Monitoring - Baghouses

The Permittee shall record the ~~total static~~ pressure drop across the baghouse used to control emissions from the rotary furnaces, at least once per ~~shift~~ **day** when the respective facilities are in

operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 3.0 to 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - ~~Compliance Response Plan – Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan – Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - ~~Pressure Gauge and Other Instrument Specifications~~, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

~~D.1.8 Baghouse Inspections~~

~~An inspection shall be performed each calendar quarter of all bags used to control emissions from the rotary furnaces. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.~~

~~D.1.89 Broken or Failed Bag Detection~~

In the event that bag failure has been observed:

- (a) ~~For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C – Compliance Response Plan – Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.~~ **For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).**
- (b) ~~For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced.~~ **For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).**

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

Modification No. 3:

Section D.1 has been modified to reflect the following changes:

- Federally enforceable limits necessary to render the requirements of 326 IAC 2-2 not applicable were derived and documented in the Technical Support Document (TSD) to the Part 70 permit 183-6488-00016, issued on October 30, 2003. However, the emission limitations were not contained in the issued permit. Therefore, Condition D.1.1 Particulate Matter - Prevention of Significant Deterioration (PSD) has been revised to include the required emission limitations as documented in the TSD to Part 70 permit 183-6488-00016.

Note: During the review process for 183-6488-00016, IDEM, OAQ determined the source was an existing major PSD source upon promulgation of the PSD rules. Prior to this determination the source had been considered a minor PSD source. The PM limitations were necessary to ensure the total PM emissions from the modification permitted in 1985 (North and South rotary furnace and the 055 West Copper Bar and Rod Manufacturing Process) remain below the applicable PSD major modification threshold of twenty-five (25) tons per year of PM. The standards for PM were revised to include PM10 in 1987. Therefore, the PM10 PSD major modification threshold was not applicable in 1985 and no PM10 limits are necessary.

- Conditions D.1.5 - Testing Requirements and D.1.9 - Record Keeping Requirements (formerly D.1.10) have been revised for clarification purposes.
- Condition D.1.10 - Reporting Requirements and a reporting form, located at the end of the permit, have been added to reflect revisions to Condition D.1.1.

D.1.1 Particulate Matter - Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

~~Any change or modification which increases the total potential emissions from the North and South rotary furnaces and the 055 West Copper Rod and Bar Manufacturing Line to equal to or greater than 25 tons of PM per year must receive prior approval from IDEM, OAQ.~~

In order to render the requirements of 326 IAC 2-2 (PSD) not applicable, the Permittee shall comply with the following emission limits:

- (a) The total amount of copper produced by the North and South rotary furnaces shall not exceed 23,800 tons per twelve (12) consecutive month period with compliance to be determined at the end of each month.**
- (b) The PM emissions from the rotary furnaces, controlled by a baghouse, exhausting to stack S-1, shall not exceed 1.13 pounds of PM per ton of copper produced.**
- (c) The total amount of copper produced by the 055 West Copper Bar and Rod Manufacturing Process shall not exceed 124,830 tons per twelve (12) consecutive month period with compliance to be determined at the end of each month.**
- (d) The PM emissions from the 055 West Copper Bar and Rod Manufacturing Process, exhausting to stack S-2, shall not exceed 0.175 pound of PM per ton of copper produced.**

Compliance with these conditions limits the PM emissions from the North and South Rotary furnaces and the 055 West Copper Bar and Rod Manufacturing Process to less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 2-2 (PSD) are rendered not applicable.

D.1.5 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

~~Within one hundred and eighty (180) days after issuance of this Part 70 permit, in order to ensure that the requirements of 326 IAC 2-2 do not apply, the Permittee shall perform PM testing on stack S-1 (exhausting emissions from the rotary furnaces) and stack S-2 (exhausting emissions from the 055 West Copper Bar and Rod Manufacturing Process) utilizing methods approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.~~

In order to demonstrate compliance with Conditions D.1.1 and D.1.2, the Permittee shall perform PM testing for stack S-1 (exhausting emissions from the rotary furnaces) and stack S-2 (exhausting emissions from the 055 West Copper Bar and Rod Manufacturing Process), within one hundred eighty (180) days after issuance of this Part 70 permit (No.: T183-6488-00016), utilizing methods as approved by the Commissioner. These tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

D.1.409 Record Keeping Requirements

- ~~(a) To document compliance with Condition D.1.6, the Permittee shall maintain once per shift records of the visible emission notations required per Condition D.1.6.~~

To document compliance with Condition D.1.6, the Permittee shall maintain a daily record of visible emission notations of the rotary furnaces and copper bar and rod manufacturing processes stack exhausts. The Permittee shall included in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).

- ~~(b) To document compliance with Condition D.1.7, the Permittee shall maintain once per shift records of the total static pressure drop required by Condition D.1.7.~~

To document compliance with Condition D.1.7, the Permittee shall maintain a daily record of pressure drop records of the rotary furnaces baghouse. The Permittee shall included in its daily record when a pressure drop record is not taken and the reason for the lack of the pressure drop record (e.g. the process did not operate that day).

- ~~(c) To document compliance with Condition D.1.8, the Permittee shall maintain records of the results of the inspections required by Condition D.1.8.~~

- (c) To document compliance with Condition D.1.1(a), the Permittee shall maintain monthly records of the amount copper produced by the North and South rotary furnaces.**

- ~~(d) To document compliance with Condition D.1.3, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.~~

- (d) To document compliance with Condition D.1.1(c), the Permittee shall maintain monthly records of the amount copper produced by the 055 West Bar and Rod Manufacturing Process.**

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

D.1.10 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.1 (a) and (c) shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Essex Group Inc., Metals Processing Center
Source Address: 2601 South 600 East, Columbia City, Indiana 46725
Mailing Address: 2601 South 600 East, Columbia City, Indiana 46725
Part 70 permit No.: T183-6488-00016
Facility: North and South rotary furnaces
Parameter: Copper produced
Limit: Shall not exceed 23,800 tons per twelve (12) consecutive month period, combined.

QUARTER: _____ **YEAR:** _____

Month	Column 1: This Month Copper Produced (ton/month)	Column 2: Previous 11 Months Copper Produced (ton/month)	Column 1+ Column 2: 12 Month Total Copper Produced
Month 1:			
Month 2:			
Month 3:			

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

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

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Essex Group Inc., Metals Processing Center
Source Address: 2601 South 600 East, Columbia City, Indiana 46725
Mailing Address: 2601 South 600 East, Columbia City, Indiana 46725
Part 70 permit No.: T183-6488-00016
Facility: 055 West Copper Bar and Rod Manufacturing Process
Parameter: Copper produced
Limit: Shall not exceed 124,830 tons per twelve (12) consecutive month period

QUARTER: _____ **YEAR:** _____

Month	Column 1: This Month Copper Produced (ton/month)	Column 2: Previous 11 Months Copper Produced (ton/month)	Column 1+ Column 2: 12 Month Total Copper Produced
Month 1:			
Month 2:			
Month 3:			

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

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

Attach a signed certification to complete this report.

Modification No. 4:

Section D.2 has been modified to reflect the following changes:

- The 055 West Line Mill Emulsion System (P-5) and the 055 East Line Mill Emulsion System (P-6) no longer vent to CE-03 and will vent into the room.
- The 055 West Line Alcohol Quench System (P-5) and the 055 East Line Alcohol Quench System (P-6) no longer vent to CE-03. Instead the emissions will vent to either North Rotary Furnace, the South Rotary Furnace, the 055 West Line holding furnace, or the 055 East Line holding furnace.
- Revised Section D.2 conditions, relating to the revised The Best Available Control Technology (BACT).
- Related changes to the Section B and Section C changes.

Reporting forms, located at the end of the permit, have been revised to reflect changes to Section D.2.

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

D.2.1 Best Available Control Technology (BACT) for VOC [326 IAC 2-2] [326 IAC 8-1-6]

Pursuant to ~~SSM 183-14400-00016, issued July 9, 2003,~~ 326 IAC 2-2-3 (Prevention of Significant Deterioration) and 326 IAC 8-1-6 (BACT), the Permittee shall comply with the following BACT requirements:

- ~~(a) The average VOC (2-Propanol) input to the 055 East and 055 West Alcohol Quench Systems (P-5 and P-6) and 055 East and 055 West Mill Emulsion Systems (P-5 and P-6) shall not exceed 300 pounds per hour per system. Compliance will be determined each calendar month by totaling the VOC input to the system for the calendar month and dividing by the total operating hours for the calendar month.~~
- ~~(b) The recuperative thermal oxidizer, identified as CE-03, shall control VOC emissions from the 055 East and 055 West Alcohol Quench Systems and Mill Emulsion Systems (P-5 and P-6) and achieve a minimum one hundred percent (100%) capture efficiency and ninety eight percent (98%) destruction efficiency.~~
- (a) The VOC input to the 055 East Line Quench System and the associated quench solution storage tank, shall not exceed 9.125 tons per month.**
- (b) The VOC input to the 055 West Line Quench System and the associated quench solution storage tank, shall not exceed 9.125 tons per month.**
- (c) The emissions from the 055 East and 055 West Quench Systems, including the two (2) quench solution storage tanks, shall be controlled by one (1) of the following four (4) furnaces: North Rotary Furnace, South Rotary Furnace, 055 West Line holding furnace, or 055 East Line holding furnace. The capture system shall have a capture efficiency of 100% and each furnace shall achieve a minimum VOC destruction efficiency of 98%.**
- (d) The total VOC input to the 055 East Line Mill Emulsion System and the associated mill emulsion storage tank, shall not exceed two (2) tons per twelve (12) consecutive month period with compliance determined at the end of each month.**
- (e) The total VOC input to the 055 West Line Mill Emulsion System and the associated mill emulsion storage tank, shall not exceed two (2) tons per twelve (12) consecutive month period with compliance determined at the end of each month.**

Compliance with these requirements will satisfy the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 8-1-6 (BACT).

D.2.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities.

Compliance Determination Requirements

D.2.3 Volatile Organic Compound (VOC)

~~Pursuant to SSM 183-14400-00016, issued July 9, 2003, and in~~ In order to demonstrate compliance with Condition D.2.1, ~~the recuperative thermal oxidizer (CE-03) shall:~~ **one (1) of the four (4) furnaces (North Rotary Furnace, South Rotary Furnace, 055 West Line holding furnace, or 055 East Line holding furnace) shall control emissions from the 055 East Line and 055 West Line Quench Systems at all times that the 055 East Line and 055 West Line Quench Systems are in operation.**

- ~~(a) Operate at all times when the 055 East and 055 West Alcohol Quench Systems (P-5 and P-6) and 055 East and 055 West Mill Emulsion Systems (P-5 and P-6) are in operation.~~
- ~~(b) Maintain a minimum ninety-eight percent (98%) destruction efficiency and one hundred percent (100%) capture efficiency.~~

D.2.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

~~Pursuant to SSM 183-14400-00016, issued July 9, 2003, between January 1, 2004 and July 31, 2004, the Permittee shall conduct a performance test to determine compliance with Condition D.2.1 for the recuperative thermal oxidizer using methods as approved by the Commissioner. This test shall be repeated at least once every two and one half (2.5) years from the date of the most recent valid compliance demonstration.~~

The Permittee shall conduct a performance test to determine compliance with Condition D.2.1 for the North Rotary Furnace, the South Rotary Furnace, the 055 West Line holding furnace, and the 055 East Line holding furnace using methods as approved by the commissioner. The testing shall be conducted according to the following schedule:

- (a) Within sixty (60) days after achieving maximum capacity but no later than one hundred and eighty (180) days after redirecting the emissions from the RTO (CE-03), the Permittee shall conduct the initial compliance test for either the North Rotary Furnace or the South Rotary Furnace to determine compliance with the limits on VOC capture and destruction efficiency, utilizing methods as approved by the Commissioner. This testing shall be repeated at least once every two and half (2.5) years from the date of the most recent valid compliance demonstration. Subsequent testing shall be performed for the furnace not tested during the prior testing cycle.**
- (b) Within sixty (60) days after achieving maximum capacity but no later than one hundred and eighty (180) days after redirecting the emissions from the RTO (CE-03), the Permittee shall conduct the initial compliance test for either the 055 East Line holding furnace or the 055 West Line holding furnace to determine compliance with the limits on VOC capture and destruction efficiency, utilizing methods as approved by the Commissioner. This testing shall be repeated at least once every two and half (2.5) years from the date of the most recent valid compliance demonstration. Subsequent testing shall be performed for the furnace not tested during the prior testing cycle.**

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

D.2.5 Thermal Oxidizer Furnace Temperature

- ~~(a) A continuous monitoring system shall be calibrated, maintained, and operated on the thermal oxidizer for measuring operating temperature of the recuperative thermal oxidizer. For the purposes of this condition, continuous monitoring shall mean no less often than once per minute. The output of this system shall be recorded as an hourly average. If the continuous monitoring system is not in operation, the temperature will be recorded manually once in a 15-minute period. Nothing in this permit shall excuse the Permittee from complying with the requirement to continuously monitor the temperature of the recuperative thermal oxidizer.~~
- ~~(b) From the date of issuance of this permit until the approved stack test results are available, the Permittee shall operate the thermal oxidizer at or above the hourly average temperature of 1456 °F. The Permittee shall determine the minimum hourly average temperature from the most recent valid stack test that demonstrates compliance with limits in Condition D.2.1, as approved by IDEM.~~
- ~~(c) The Permittee shall then operate the thermal oxidizer at or above the minimum hourly average temperature as observed during the most recent compliant stack test following approval of that temperature.~~
- (a) A continuous monitoring system shall be calibrated, maintained, and operated on each of the furnaces for measuring operating temperature of each furnace. For the purpose of this condition, continuous means no less than once per minute. The output of this system shall be recorded as 3-hour average. From the date of issuance of this permit until the approved stack test results are available, the Permittee shall operate each furnace at or above the 3-hour average temperature of 2,000°F.**
- (b) The Permittee shall determine the 3-hour average temperature from the most recent valid stack test that demonstrates compliance with limits in Condition D.2.1, as approved by IDEM.**
- (c) On and after the date the approved stack test results from the initial compliance test are available, and until such time that approved stack test results are available for both furnaces, the Permittee shall operate the North Rotary Furnace and the South Rotary Furnace at or above the 3-hour average temperature as observed during the initial compliant stack test for the North Rotary Furnace or the South Rotary Furnace.**
- (d) On and after the date the approved stack test results from the initial compliance test are available, and until such time that approved stack test results are available for both furnaces, the Permittee shall operate the 055 East Line holding furnace and the 055 West Line holding furnace at or above the 3-hour average temperature as observed during the initial compliant stack test for the 055 East Line holding furnace or the 055 West Line holding furnace.**
- (e) On and after the date the that approved stack test results are available for each furnace, the Permittee shall operate the North Rotary Furnace, the South Rotary Furnace, the 005 East Line holding furnace, and the 055 West Line holding furnace at or above the 3-hour average temperature as observed during the most recent compliant stack test, respectively.**

D.2.6 Parametric Monitoring

- (a) The fan amperage shall be observed at least once per day, and upon redirecting the emissions from any one (1) of the four (4) furnaces to another of the four (4) furnaces, when the 055 West Line or 055 East Line Quench System are in operation.**
- ~~(a)(b)~~ The Permittee shall determine the appropriate fan amperage from the most recent valid stack test that demonstrates compliance with limits in Condition D.2.1 as approved by IDEM.
- ~~(b)~~ ~~The Permittee shall observe the fan amperage at least once per day when the thermal oxidizer is in operation. The oxidizer fan amperage shall be maintained within the normal range of 206 to 213 amps or as established in the most recent compliant stack test.~~
- (c) On and after the date the approved stack test results from the initial compliance test are available for the North Rotary Furnace or South Rotary Furnace, and until such time that approved stack test results are available for both furnaces, the fan amperage shall be maintained within the normal range, as established during the initial compliant stack test for the North Rotary Furnace or the South Rotary Furnace.**
- (d) On and after the date the approved stack test results from the initial compliance test are available for 055 East Line holding furnace or the 055 West Line holding furnace, and until such time that approved stack test results are available for both furnaces, the fan amperage shall be maintained within the normal range, as established during the initial compliant stack test for 055 East Line holding furnace or the 055 West Line holding furnace.**
- (e) On and after the date the that approved stack test results are available for each furnace, the fan amperage shall be maintained within the normal range as observed during the most recent compliant stack test.**

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

D.2.7 Record Keeping Requirements

- (a) To document compliance with Condition D.2.1, the Permittee shall maintain ~~monthly purchase records of the VOC input to, and operating hours of, the 055 West and 055 East Alcohol Quench Systems (P-5 and P-6) and the 055 West and 055 East Mill Emulsion Systems (P-5 and P-6).~~ the following:**
- (1) Monthly purchase records of the VOC input to the 055 West Line and 055 East Line Quench Systems and associated quench solution storage tanks.**
 - (2) Records of the furnace the 055 West Line and 055 East Line Quench Systems are venting to when in operation, and the date and time when emissions are redirected.**
 - (3) Monthly purchase records of the VOC input to the 055 West Line and 055 East Line Mill Emulsion Systems.**
- ~~(b) To document compliance with Conditions D.2.5 and D.2.6, the Permittee shall maintain records of:~~
- ~~(1) The continuous temperature records (reduced to 1-hour block averages) for the thermal oxidizer the hourly average temperatures used to demonstrate compliance during the most recent compliant stack test.~~
 - ~~(2) The daily records of the fan amperage.~~

- (b) To document compliance with Condition D.2.6, the Permittee shall maintain records of the continuous temperature records (reduced to 3-hour block averages) for the North Rotary Furnace, the South Rotary Furnace, the 055 West Line holding furnace, and the 055 East Line holding furnace and the 3-hour average temperature used to demonstrate compliance during the most recent compliant stack test.**
- ~~(c) To document compliance with Condition D.2.2, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.~~
- (c) To document compliance with Condition D.2.6, the Permittee shall maintain a daily record of the fan amperage, records of the date and time the emissions were redirected, and the amperage used to demonstrate compliance during the most recent compliant stack test. The Permittee shall include in its daily record when a fan amperage record is not taken and the reason for the lack of the fan amperage record (e.g. the process did not operate that day).**
- (ed) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.**

D.2.8 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.2.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the ~~“authorized individual”~~ **responsible official** as defined by 326 IAC ~~2-1.1-1(1)~~ **2-7-1(34)**.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Essex Group Inc., Metals Processing Center
Source Address: 2601 South 600 East, Columbia City, Indiana 46725
Mailing Address: 2601 South 600 East, Columbia City, Indiana 46725
Part 70 permit No.: T183-6488-00016
PSD/SSM No.: 183-24485-00016
Facility: 055 East Line Mill Emulsion System and associated mill emulsion storage tank; 055 West Line Mill Emulsion System and associated mill emulsion storage tank
Parameter: VOC
Limit: Shall not exceed two (2) tons per twelve (12) consecutive month period per System

Note that a separate report must be completed for the 055 East and 055 West Mill Emulsion systems.

QUARTER: _____ YEAR: _____

Month	Column 1 This Month VOC Input (lb/month)	Column 2 Previous 11 Months VOC Input (lb/month)	Column 1 + Column 2 VOC input 12 Month Total
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.
 Deviation has been reported on:

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

Attach a signed certification to complete this report.

OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Essex Group Inc., Metals Processing Center
Source Address: 2601 South 600 East, Columbia City, Indiana 46725
Mailing Address: 2601 South 600 East, Columbia City, Indiana 46725
Part 70 permit No.: T183-6488-00016
Facility: ~~055 East Alcohol Quench System and Mill Emulsion System; 055 West Alcohol Quench System and Mill Emulsion System~~
055 East Line Quench System and associated quench solution storage tank; 055 West Line Quench System and associated quench solution storage tank
Parameter: VOC
Limit: ~~300 pounds per hour per process~~
The VOC input shall not exceed 9.125 tons per month per system.

Note that a separate report must be completed for the 055 East **Line** and 055 West **Line Quench** Systems.

QUARTER: _____ YEAR: _____

Column 1: VOC input (ton) 1st Month	Column 2: VOC input (ton) 2nd Month	Column 3: VOC input (ton) 3rd Month

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

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

Attach a signed certification to complete this report.

Conclusion and Recommendation

The construction and operation of this source shall be subject to the conditions of the attached proposed PSD Significant Source Modification No.: 183-24485-00016 and Part 70 Significant Permit Modification No. 183-24195-00016. The staff recommend to the Commissioner that this PSD Significant Source Modification and Part 70 Significant Permit Modification be approved.

Appendix A: Emissions Calculations

Alcohol Quenching and Mill Emulsion Process

Company Name: Essex Group, Inc - Metal Processing Center
Address City IN Zip: 2601 South 600 East, Columbia City 46725
PSD / SSM: 183-24485-00016
Part 70 permit: 183-6488-00016
Reviewer: Jenny Acker
Date: 03/23/07

1. Alcohol Quench Emissions

TYPE OF MATERIAL	Maximum operating hours	Control Efficiency
2-PROPANOL	8760	98.0%

055 West Line

	PM lbs/hr	PM10 lbs/hr	SOx lbs/hr	NOx lbs/hr	VOC * lbs/hr	CO lbs/hr
	-	-	-	-	25	-
Potential Emissions (lbs/hr)	0.0	0.0	0.0	0.0	25.00	0.0
Potential Emissions (tons/year)	0.00	0.00	0.00	0.00	109.50	0.00
Controlled Emissions (tons/year)	0.00	0.00	0.00	0.00	2.19	0.00

055 East Line

	PM lbs/hr	PM10 lbs/hr	SOx lbs/hr	NOx lbs/hr	VOC * lbs/hr	CO lbs/hr
	-	-	-	-	25	-
Potential Emissions (lbs/hr)	0.0	0.0	0.0	0.0	25.00	0.0
Potential Emissions (tons/year)	0.00	0.00	0.00	0.00	109.50	0.00
Controlled Emissions (tons/year)	0.00	0.00	0.00	0.00	2.19	0.00

2. Mill Emulsion Emissions

TYPE OF MATERIAL	Maximum operating hours	Control Efficiency
Synthetic Water Soluable Lubrication	8760	0.0%

055 West Line

	PM tpy	PM10 tpy	SOx tpy	NOx tpy	VOC * tpy	CO tpy
	-	-	-	-	-	-
Potential Emissions (tons/year)	0.00	0.00	0.00	0.00	2.00	0.00
Controlled Emissions (tons/year)	0.00	0.00	0.00	0.00	2.00	0.00

055 East Line

	PM tpy	PM10 tpy	SOx tpy	NOx tpy	VOC * tpy	CO tpy
	-	-	-	-	-	-
Potential Emissions (tons/year)	0.00	0.00	0.00	0.00	2.00	0.00
Controlled Emissions (tons/year)	0.00	0.00	0.00	0.00	2.00	0.00

3. Summary

UNCOTROLLED EMISSIONS (tons/year)	0.00	0.00	0.00	0.00	223.00	0.00
TOTAL EMISSIONS (after controls (tons/year)	0.00	0.00	0.00	0.00	8.38	0.00

* Emission factor provided by source based on mass balance calculations.

Emissions from the storage tanks have been accounted for in the emissions from the alcohol quenching and emulsion.

METHODOLOGY

Potential Emissions (tpy) = VOC throughput (lb/hr) x 8760 (hr/yr) x 1/2000 (ton/lb)

Controlled Emissions (tpy) = Potential Emissions (tpy) x (1 - Control Efficiency (%)/100)

**Appendix A: Emissions Calculations
From Rotary Furnaces**

Company Name: Essex Group, Inc - Metal Processing Center
Address City IN Zip: 2601 South 600 East, Columbia City 46725
PSD / SSM: 183-24485-00016
Part 70 permit: 183-6488-00016
Reviewer: Jenny Acker
Date: 03/23/07

1) Charging/Melting

Capacity of each Rotary Furnace (lb CU/hr) : 2860
 Type of Material : Copper
 Number of Units: 2
 Total Throughput (lbs/hr) : 5720

	PM "	PM10 "	SOx	NOx	VOC "	CO "
Emission Factor (lbs/ton Produced):	5.62	5.62	0	0	0.16	1.62
Uncontrolled PTE (lbs/hr)	16.1	16.1	0.0	0.0	0.5	4.6
Uncontrolled PTE (lbs/day)	385.8	385.8	0.0	0.0	11.0	111.2
Uncontrolled PTE (tons/year)	70.4	70.4	0.0	0.0	2.0	20.3

2) Pouring

Type of Material : Copper
 Number of Units: 1
 Total Throughput (lbs/hr) : 5720

	PM	PM10	SOx *	NOx *	VOC ***	CO
Emission Factor (lbs/ton Produced):	--	--	0.02	0.01	--	--
Uncontrolled PTE (lbs/hr)	0	0	0.06	0.03	0	0
Uncontrolled PTE (lbs/day)	0	0	1.37	0.686	0	0
Uncontrolled PTE (tons/year)	0	0	0.25	0.13	0	0

3) Natural Gas Combustion

Aggregate Heat Input Capacity (MMBtu/hr): 44
 MMBtu/MMCF: 1020

	PM **	PM10 **	SOx **	NOx **	VOC **	CO **
Emission Factor (lbs/MMCF):	7.6	7.6	0.60	100	5.5	84
Uncontrolled PTE (lbs/hr)	0.33	0.33	0.03	4.31	0.24	3.62
Uncontrolled PTE (lbs/day)	7.87	7.87	0.62	103.53	5.69	86.96
Uncontrolled PTE (tons/year)	1.44	1.44	0.11	18.89	1.04	15.87

4) Wood Combustion

Maximum Quantity Wood Burned (ton/yr): 418

	PM **	PM10 **	SOx **	NOx **	VOC **	CO **
Emission Factor (lbs/ton wood burned):	8.8	8.8	0.08	1.5	0.2	13.6
Uncontrolled PTE (lbs/hr)	0.42	0.42	0.00	0.06	0.01	0.59
Uncontrolled PTE (lbs/day)	10.08	10.08	0.08	1.55	0.23	14.08
Uncontrolled PTE (tons/year)	1.84	1.84	0.02	0.28	0.04	2.57

5) Summary

Total Uncontrolled Emissions (tons/yr)	73.68	73.68	0.38	19.30	3.09	38.73
TOTAL CONTROLLED PTE (tpy per furnace) ^	7.09	7.09	0.19	9.65	1.54	19.37
Limited throughput PTE (tpy per furnace) ^^	6.74	6.74	0.18	9.17	1.47	18.40

* Emission factor from FIRE 6.01

** Emission factor from AP-42, 5th Ed.

*** Emission factor provided by the source based on mass balance

^ Emission factors provided by the source based on stack test data and mass balances.

^ The controlled PTE is based on 85% capture efficiency and 95% control efficiency per the source.

^^ The limited PTE the the controlled PTE after compliance with the production limit of 23800 tpy.

The rotary furnaces are used to melt and fire-refine enamel coated copper magnet wire, shavings, sweepings, and other non-chemically pure copper wire.

PVC coated copper is not processed in the rotary furnaces.

The furnaces primary fuel is natural gas; they also burn wood.

Note that the wood burned in the furnaces is wood used from poling; a method by which the oxygen level in the copper bath is reduced by adding wood.

METHODOLOGY:

Uncontrolled PTE (ton/yr) = Emission factor (lb/ton or lb/MMCF) x throughput (ton/yr or MMCF/yr) x 1/2000 ton/lb

Controlled PTE (ton/yr; PM and PM10 only) = Uncontrolled PTE x (85% capture efficiency) x (1-95% control efficiency) + Uncontrolled PTE x (1-85% capture efficiency)

Appendix A: Emissions Calculations
Emissions from Copper Rod and Bar Production (055 West Line)

Company Name: Essex Group, Inc - Metal Processing Center
Address City IN Zip: 2601 South 600 East, Columbia City 46725
PSD / SSM: 183-24485-00016
Part 70 permit: 183-6488-00016
Reviewer: Jenny Acker
Date: 03/23/07

1) Foundry Emissions (foundry emissions from vertical shaft furnace and soot emissions from casting)

Type of Material: Pure Copper Cathode
 Production Capacity (ton/hr): 15
 Control: none

	PM *	PM10 *	SOx	NOx	VOC	CO
Emission Factor (lbs/ton Produced):	0.175	0.149	-	-	-	-
Uncontrolled PTE (lbs/hr)	2.6	2.2	0.0	0.0	0.0	0.0
Uncontrolled PTE (lbs/day)	63.0	53.6	0.0	0.0	0.0	0.0
Uncontrolled PTE (ton/yr)	11.5	9.8	0.0	0.0	0.0	0.0

2) Natural Gas Combustion (from melt furnace, tundish, launders, and holding furnace)

Aggregate Heat Input Capacity (MMBtu/hr): 30
 Aggregate Heat Input Capacity (MMBtu/MMCF): 1020

	PM *	PM10 *	SOx ***	NOx ***	VOC ***	CO***
Emission Factor (lbs/ton Produced):	-	-	0.60	100	5.5	84
Uncontrolled PTE (lbs/hr)	0.00	0.00	0.02	2.94	0.16	2.47
Uncontrolled PTE (lbs/day)	0.00	0.00	0.42	70.59	3.88	59.29
Uncontrolled PTE (ton/yr)	0.00	0.00	0.08	12.88	0.71	10.82
TOTAL PTE (ton/yr)	11.50	9.79	0.08	12.88	0.71	10.82
Limited PTE (ton/yr) **	10.92	9.30	0.07	12.24	0.67	10.28

* Emission factors provided by the source based on results from stack testing.

** The limited PTE is the PTE after compliance with the production limit.

*** Emission Factors from AP-42, 5th Ed, Ch 1.4

Appendix A: Emissions Calculations
Emissions from Copper Rod and Bar Production (055 East Line)

Company Name: Essex Group, Inc - Metal Processing Center
Address City IN Zip: 2601 South 600 East, Columbia City 46725
PSD / SSM: 183-24485-00016
Part 70 permit: 183-6488-00016
Reviewer: Jenny Acker
Date: 03/23/07

Foundry Emissions (foundry emissions from vertical shaft furnace and soot emissions from casting)

** The maximum capacity of the 055 East line, and the vertical melt furnace, is 131,400 tons per year. This capacity is served by either the 055 East vertical shaft furnace (for clean scrap) or the rotary furnaces (for dirty scrap). Therefore, the 055 East vertical shaft furnace can not operate when the rotary furnaces are in operation and serving the 055 East line, and vice versa. As a worst case, the emission calculations presented below assume that the rotary furnaces operate at maximum capacity (25,000 tons per year) and the vertical shaft furnace operates to make up the difference of the 055 East line's capacity (131,400 - 25,000 = 106,400 tons per year or 81% capacity). Therefore, the production capacity of the vertical shaft furnace (accounting for the operation of the rotary furnaces) is: 15 ton/yr x 81% = 12.15 ton/hr

TYPE OF MATERIAL	Production Capacity**					
	Control	ton/hr				
Pure Copper Cathode	none	12.15				
	PM *	PM10 *	SOx	NOx	VOC	CO
	lbs/ton Produced	lbs/tons Produced				
	0.175	0.149	-	-	-	-
Uncontrolled PTE (lbs/hr)	2.1	1.8	0.0	0.0	0.0	0.0
Uncontrolled PTE (lbs/day)	51.0	43.4	0.0	0.0	0.0	0.0
Uncontrolled PTE (tons/year)	9.31	7.93	0.0	0.0	0.0	0.0

Natural Gas Combustion (from melt furnace, tundish, launders, and holding furnace)

	Aggregate Heat Input Capacity					
		MMBtu/hr	MMBtu/MMCF			
		30	1020			
	PM *	PM10 *	SOx ***	NOx ***	VOC ***	CO***
	lb/MMCF	lb/MMCF	lb/MMCF	lb/MMCF	lb/MMCF	lb/MMCF
	-	-	0.60	100	5.5	84
Uncontrolled PTE (lbs/hr)	0.00	0.00	0.02	2.94	0.16	2.47
Uncontrolled PTE (lbs/day)	0.00	0.00	0.42	70.59	3.88	59.29
Uncontrolled PTE (ton/yr)	0.00	0.00	0.08	12.88	0.71	10.82
TOTAL Potential to Emit (ton/yr)	9.31	7.93	0.08	12.88	0.71	10.82

* Emission factors provided by the source based on results from stack testing.

*** Emission Factors from AP-42, 5th Ed, Ch 1.4

APPENDIX B

BEST AVAILABLE CONTROL TECHNOLOGY (BACT) DETERMINATION

Source Information and Description

Source Name:	Essex Group, Inc. - Metals Processing Center
Source Location:	2601 South 600 East, Columbia City, IN 46725
County:	Whitley
SIC Codes:	3357, 3351
NAICSS Codes:	331422, 331421
Operation Permit No.:	T183-6488-00016
Operation Permit Issuance Date:	October 30, 2003
PSD / Significant Source Modification No.:	183-24485-00016
Significant Permit Modification No.:	183-24195-00016
Permit Reviewer:	Jenny Acker

The Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) has performed the following federal BACT (Best Available Control Technology) review for a modification proposed by Essex Group, Inc. - Metals Processing Center ("Essex"), located in Columbia City, Indiana. The modification consists of the following:

- (a) Replace the mill emulsion solution used in the 055 West Line Mill Emulsion System and the 055 East Line Mill Emulsion System with a synthetic water soluble lubricant, and vent the emissions into the air. Currently the emissions from the Mill Emulsions Systems are vented to and controlled by a recuperative thermal oxidizer (RTO), identified as CE-03.
- (b) Route the emissions from the alcohol quench systems, 055 West Line Quench System and 055 East Line Quench System, to one of the following furnaces: North Rotary furnace, South Rotary Furnace, 055 West Line holding furnace, 055 East Line holding furnace. Currently these emissions are routed to and controlled by a recuperative thermal oxidizer (RTO), identified as CE-03.

Background and Process Description

The VOC emissions generated from the mill emulsion systems are from the evaporation of glycol compounds from the mill emulsion solution. Essex's mill emulsion systems consist of two identical systems (055 West Line Mill Emulsion System and 055 East Line Mill Emulsion System), each comprised of an enclosed rolling mill stand area where the mill emulsion solution is sprayed onto the copper rod and rolls. The mill emulsion solution cools the hot copper rod as it is processed through the rolling mill stand area, and cools and lubricates the rolls used to move the copper. The lubrication also provides a slip mechanism that facilitates the mechanical removal of copper oxides from the copper rods.

The VOC emissions generated from the alcohol quench systems are from the evaporation of isopropyl alcohol used in the quenching systems solution. Essex alcohol quench systems consist of two identical systems (055 West Line Quench System and 055 East Line Quench System). During the quenching process, copper rods are propelled upward through enclosed tubes while alcohol quenching solution is pumped through the tubes counter to the copper rods. The alcohol quenching solution cools the rod so that it exits the system at a temperature less than 100°F, and reduces copper oxides that are formed on the bar back to copper by a chemical reaction between isopropyl alcohol and the copper oxides.

Essex recently completed quality control testing on a synthetic water soluble lubricant to replace the current mill emulsion solution. The synthetic water soluble lubricant will maintain quality control standards without increasing the maintenance requirements of the mill emulsion systems and reduce VOC emissions.

This use of a new water soluble lubricant and the proposed BACT requirements will result in a 91.5% reduction in VOC usage by the mill emulsion systems and alcohol quench systems, and will reduce the currently allowed VOC emissions of 52.56 tons per year by 84% to 8.38 tons per year.

BACT Description

The source is located in Whitley County which is designated as attainment or unclassifiable for all criteria pollutants. Since the characteristics of the mill emulsion systems emissions and the alcohol quench systems emissions differ (most notably in VOC content and composition, flow velocity, and temperature), the mill emulsion systems and alcohol quench systems will be reviewed as one process and as separate systems. Pursuant to 326 IAC 2-2-3, BACT for VOC has been evaluated and determined for the mill emulsion systems and the alcohol quench systems.

BACT is defined as “an emission limitation based on the maximum degree of reduction of each pollutant subject to regulation under the CAA emitted from or which results from any major emitting facility, which the permitting authority, on a case-by-case basis, taking into account energy, environmental, and economic impacts and other costs, determines is achievable for such facility through application of production processes and available methods, systems, and techniques, including fuel cleaning or treatment or innovative fuel combustion techniques for control of each such pollutant. In no event shall application of ‘best available control technology’ result in emissions of any pollutants which will exceed the emissions allowed by any applicable standard established pursuant to section 111 or 112 of this Act.”

According to the “*Top-Down Best Available Control Technology Guidance Document*” outlined in the 1990 draft USEPA *New Source Review Workshop Manual*, BACT analyses are conducted with a ‘top-down’ approach which consists of the following steps:

- (1) Identify all potentially available control options;
- (2) Eliminate technically infeasible control options;
- (3) Rank remaining control technologies by control effectiveness;
- (4) Evaluate the most effective controls and document the results; and
- (5) Select BACT.

Also in accordance with the “*Top-Down Best Available Control Technology Guidance Document*” outlined in the 1990 draft USEPA *New Source Review Workshop Manual*, BACT analyses (specifically step 4) must take into account the energy, environmental, and economic impacts on the source. These reductions may be determined through the application of available control techniques, process design, and/or operational limitations. Such reductions are necessary to demonstrate that the emissions remaining after application of BACT will not cause or contribute to air pollution, thereby protecting public health and the environment. This BACT determination is based on the following information:

- (1) The PSD permit application submitted by Essex Group, Inc.- Metals Processing Center on January 12, 2007;
- (2) The EPA RACT/BACT/LAER (RBLC) Clearinghouse;
- (3) Information from vendors/suppliers;
- (3) Permit requirements of other copper wire production facilities; and
- (4) Results from stack testing on representative emission units at the Columbia City plant.

BACT for VOC – Mill Emulsion Systems and Quench Systems

Identify Control Options:

The following technologies were identified as potentially available options that could be used to control VOC emissions from the mill emulsion systems and the alcohol quench systems. IDEM and the Permittee searched EPA’s RACT/BACT/LAER Clearinghouse (RBLC) and reviewed permits of nearly identical sources to produce this list. The search identified the following:

Table 1

SIC Code	Source Name	RBLC ID	Process	BACT	Efficiency
NA	vendor: MEGTEC	NA	NA	Recuperative Thermal Oxidation	95% - 98%
NA	vendor: BJ Associates	NA	NA	Straight Thermal Oxidation	95%
2821	W.R. Grace & Co. Formpac division	IN-0074	polystyrene foam manufacturing	Recuperative Thermal Oxidation	90%
NA	vendor: Edwards Engineering Corp.	NA	NA	IPA Vapor Recovery System: Refrigerated Condensation	85%
NA	²⁾ Phelps Dodge Chicago Rod (formerly Cyprus Rod) Chicago IL 96030092	NA	Copper Rod Drawing and Rolling	Catalytic Oxidation VOC input 43.29 tons/month and 518.68 tons/year	81% -92%
NA	Southwire Inc. - Copper Division	NA	Copper Rod Mill	In-situ Incineration	95%
3357, 3351	Essex Group, Inc. - Metals Processing Center		Copper Rod Manufacturing	Recuperative Thermal Oxidation VOC input average 600 lbs/hr	98%

NA- Not applicable. The control technologies marked with a 'NA' were provided by control technology vendors and were not listed in the RBLC.

¹⁾ W.R. Grace & Company Formpac division, while not a similar source, was included as a comparison because the RTO controls a similar emission stream (i.e., characterized as high flow, moisture laden with low VOC loading).

²⁾ Phelps Dodge Chicago Rod had been required to use a Polyad Resin Adsorption System.

The existing BACT requires (pursuant to PSD/SSM 183-14400-00016, issued July 9, 2003) the emissions from the 055 West Line Quench and Mill Emulsion Process, and the emissions from the 055 East Line Quench and Mill Emulsion Process be controlled by a RTO (CE-03), which shall achieve a capture efficiency of 100% and a minimum VOC destruction efficiency of 98%. Additionally, the average VOC input to the 055 West Line Quench and Mill Emulsion Process is

limited to 300 pounds per hour, and the average VOC input to the 055 East Line Quench and Mill Emulsion Process is limited to 300 pounds per hour.

Eliminate Technically Infeasible Control Options:

Based on the results from the RBLC database search, vendor review, and an evaluation of the control technologies, IDEM evaluated the following systems for technical feasibility and control effectiveness.

The design of the mill emulsion systems enclosures is dictated by the manufacturing process and requires openings for the conveyance of parts and discharge of copper waste. While these openings have been minimized, a substantial air flow is required to ensure and maintain 100% capture. The resulting mill emulsions systems emissions stream can be characterized as a high flow, moisture laden stream with low VOC loading (less than 1 pound per hour at an air flow of 15,000 cubic feet per minute). Since the volume of the mill emulsion systems emissions stream is proportionately larger than the quench systems emissions stream, the combination of the combined streams (mill emulsion systems and quench systems) results in a emissions stream that also can be characterized as a high flow, moisture laden stream with low VOC loading (less than 51 pounds per hour at an air flow of 15,200 cubic feet per minute).

(1) The IPA Vapor Recovery System, Refrigerated Condensation:
This control technology would chill the gas stream to below the solvent condensation point and remove the solvents from the air. These systems work best in dry gas streams with high solvent concentrations. Under ideal conditions a refrigerated condenser based solvent recovery system would provide 85% control of emissions from the gas stream and provide a solvent return to the facility. This system is not considered a technically feasible option for the mill emulsion systems emissions stream or the combined emissions stream because the high moisture content of the gas stream makes the condenser prone to icing.

(2) Polyad Resin Adsorption System:
This system is similar to a carbon absorption system but uses a resin medium in lieu of a carbon medium. The material is circulated in the exhaust stream and then transferred to a steam desorption unit. VOCs are extracted from the medium and then transferred to a condensing unit where the gases are recovered and then returned to the system.

While in use at the Phelps Dodge Chicago Rod facility, numerous add-on pre-treatment devices were used in an effort to prevent contamination of active sites; however, it proved to be technically infeasible to maintain. Phelps Dodge Chicago Rod was issued a construction permit (06100069) on January 26, 2007 authorizing the replacement of the Polyad Resin Adsorption System with a catalytic oxidizer for control of the for the Rod Finishing Mill, Pickling System, and IPA Recovery System.

(3) In-Situ Incineration:
The in-situ incineration system at the Southwire facility ducts VOC laden air to a nearby furnace. The furnace maintains sufficient burner capacity to use the gas stream as primary and secondary combustion air. The gas stream is incinerated in the furnace or "in-situ" at an overall efficiency of 74%.

The Essex plant has neither sufficient burner capacity nor an appropriate furnace for combustion of the mill emulsion systems gas stream or the combined mill emulsion systems and quench systems emissions stream. Installation of additional burners in the existing furnaces is not a viable option since the induction of moisture laden air that would be present in either scenario would negatively affect product quality, without providing the best control efficiency. This system is not considered a technically feasible option for control of the mill emulsions emissions stream or the combined emissions stream.

- (4) **Rotary Pre-Concentrator:**
The VOC-laden stream passes through a rotary wheel containing zeolite or carbon-based adsorbents. Approximately 75-90% of the wheel is in adsorption service while the remaining portion of the adsorbent passes through an area where the organics are desorbed into a very small, moderately hot gas stream. The concentrated organic vapors are then transported to a thermal or catalytic oxidizer for destruction.

The range for molecular weight that can readily be adsorbed and desorbed is 50-200. The molecular weight of isopropyl alcohol in the quench systems emission stream is 50, which is at the low end of the acceptable range, and therefore, the pre-concentrator would not effectively absorb the isopropyl alcohol lowering the overall efficiency of the system when controlling the quench systems emissions stream. Adsorption systems are not recommended for gas streams that contain high moisture concentrations because the moisture competes with the gaseous pollutants for pore space on the adsorbent material. Therefore, the pre-concentrator would not be an effective method of controlling the mill emulsion stream or the combined emissions stream.

Rank Remaining Control Technologies by Control Effectiveness:

- (1) **In-Situ Incineration:**
The Essex plant operates four (4) furnaces (the North Rotary Furnace, the South Rotary Furnace, the 055 West Line holding furnace, and the 055 East Line holding furnace) each capable of incinerating the quench systems emissions stream without negatively affecting product quality. Essex has proposed that the four (4) furnaces are each capable of providing 98% control efficiency of the quench systems emissions stream.

Essex has proposed 98% control of the quench systems by using in-situ incineration at one of the following four (4) furnaces: the North Rotary Furnace, the South Rotary Furnace, the 055 West Line holding furnace, and the 055 East Line holding furnace. Therefore, no further evaluation was made for these systems.

- (2) **Recuperative Thermal Oxidization and Straight Thermal Oxidization:**
Of all the VOC control technologies evaluated, thermal oxidization is least affected by waste stream characteristics. An efficient thermal oxidizer design must provide adequate residence time for complete combustion, sufficiently high temperatures for VOC destruction, and adequate velocities to ensure proper mixing without quenching combustion. A thermal oxidizer can handle almost all solvent mixtures and concentrations and can normally provide a VOC destruction efficiency of 95% - 98%.

Evaluation of Most Effective Controls:

Further evaluation including economic, energy and environmental impacts are required for controlling VOC emissions from the mill emulsion systems and the alcohol quench systems. Annualized costs were determined in accordance with the EPA guidance (*EPA's Office of Air Quality Planning and Standards Control Cost Manual*) and economic feasibility was evaluated.

Case 1 :			
Control quench systems emissions by in-situ incineration at one of the furnaces, and control the mill emulsion systems emissions with a recuperative thermal oxidizer			
CAPITAL COST (Pollution Control Equipment)	Unit Cost	Basis	TOTAL (\$)
TOTAL CAPITAL INVESTMENT (TCI)			<u>\$540,000.00</u>
Sum of TCI from Case 2 and Case 3			
ANNUAL OPERATION & MAINTENANCE			
Direct Operating Costs (DA)			
Total Direct Operating Costs (DA)			<u>\$581,394.00</u>
Sum of DA from Case 2 and Case 3			
Indirect Operating Costs (IA)			
Total Indirect Operating Costs (IA)			<u>\$99,260.00</u>
Total operating Costs (DA + IA)			<u>\$680,654.00</u>
Sum of IA from Case 2 and Case 3			
Amortized Annual Costs = Total Operating Costs			<u>\$680,654.00</u>
Tons VOC Removed (223 tons VOC x 0.98)			218.54
Cost per Ton Removed =			\$3114.55

Note: Summing Case 2 and Case 3 is a conservative approach. The natural gas usage increase at the RTO, due to the lower VOC content of the emissions stream, is not reflected .

Case 2 :			
Control the quench systems emissions and the mill emulsion systems emissions with a recuperative thermal oxidizer			
CAPITAL COST (Pollution Control Equipment)	Unit Cost	Basis	TOTAL (\$)
TOTAL CAPITAL INVESTMENT (TCI)			<u>\$520,000.00</u>
ANNUAL OPERATION & MAINTENANCE			
Direct Operating Costs (DA)			
Natural Gas (\$13.54/1000cf,)			\$496,944.00
Electricity (\$0.0534/kWh)			\$84,000.00
Total Direct Operating Costs (DA)			<u>\$580,944.00</u>
Indirect Operating Costs (IA)			
Capital Recovery Factor (system) = 0.1855 x TCI (Assumes 7% compound interest rate and system useful life of 7 years)			\$96,460.00
Total Indirect Operating Costs (IA)			<u>\$96,460.00</u>
Total operating Costs (DA + IA)			<u>\$677,404.00</u>

Case ID	Case Description	Tons of VOC Removed	\$/ton of VOC Removed	Incremental Cost (\$/ton VOC Removed)	Ranking/Degree of Reduction
1	quench systems emissions incinerated at furnace, and mill emulsion systems controlled with a recuperative thermal oxidizer	218.54	\$3114.55	\$172,807.14 (compared to case 3)	1
2	quench systems and mill emulsion systems controlled with a recuperative thermal oxidizer	218.54	\$3100.00	\$171,978.06 (compared to case 3)	2
3	quench systems emissions incinerated at furnace, and no control of mill systems emissions	214.62	\$15.14		3

The permitting authority has discretion to base the emission limitation on control efficiency on a control technology somewhat lower than the optimal level. There are several reasons why a permitting authority might choose to do this. One reason is that the control efficiency achievable through the use of the technology may fluctuate, so that it would not always achieve its optimal control efficiency. In that case, setting the emission limitation to reflect the highest control efficiency would make permit violations unavoidable.

Although the parameters of the emissions stream when using the synthetic water soluble mill emulsion solution are within the engineered design curve for the current RTO (CE-03), recent stack testing, completed on September 6, 2006, demonstrated an achievable destruction efficiency of 96.7%. During a stack test prior to the switch to the synthetic water soluble lubricant, completed March 10, 2004, RTO (CE-03) demonstrated an achievable destruction efficiency of 99.85%. The operating parameters during both tests (chamber temperature, residence time, and fan amperage) were within the designed range for optimum destruction. The switch to the water based mill emulsion solution, lowered the VOC concentration in the emission stream, such that, 98% destruction through the use of an RTO is not consistently achievable.

The reductions reflected in Case 1 and Case 2, were conservatively based on a RTO control efficiency of 98%; however, it is unlikely that the RTO will be able to achieve 98% control efficiency. Therefore, overall control of VOC in Case 1 (219 tons VOC/yr controlled in-situ, at 98%, and 4 tons VOC/yr vented to the RTO, at less than 98%) is higher than Case 2 (223 tons VOC/yr vented to RTO, at less than 98%). Both Case 1 and Case 2 require the use of a recuperative thermal oxidizer, which requires natural gas to ignite the flue gas mixtures and maintain combustion temperatures. The mill emulsion systems emissions stream, with and without the addition of the quench systems emissions stream, is a high air flow with a low VOC content stream resulting in a low heat content emissions stream. Therefore, the oxidizer would be operating mostly on supplemental fuel. In addition to the energy penalty associated with thermal oxidization, NOx, CO and SO2 emissions will be generated from the combustion of natural gas used to fuel the oxidizer. Case 1 and Case 2, result in less than a 4 tons per year VOC removal rate over Case 3, at a minimal incremental cost of \$171,978.06 per ton of VOC removed. Additionally, the incineration of the quench systems emissions provides a decrease in natural gas consumption at the furnace, resulting in an annual cost savings of \$46,000. Based on economic, environmental, and technical considerations, continued control of the mill emulsion systems at 98% is not feasible.

Case 3 was determined to be the case resulting in the highest overall VOC reduction rate that is feasible when considering economic, energy and environmental impacts. Essex chose Case 3 as the control option for the mill emulsion systems and quench systems, resulting in an overall capture and destruction of 214.62 tons of VOC, and an overall control rate of 96.24%.

Essex has proposed to modify the structure and emission limitations of the original BACT (PSD/SSM 183-14400-00016, issued on July 9, 2003). The proposed BACT (Case 3) results in a 91.5% reduction in allowable VOC usage (from 2628 tons per year to 223 tons per year) and an 84.1% reduction in potential VOC emissions (from 52.56 tons per year to 8.38 tons per year) when compared to the original BACT.

Essex has proposed the most stringent BACT limits and control technology when compared to comparable sources in the industry.

Select BACT

Based on the considerations mentioned above, IDEM has determined that BACT for VOC for the 055 East Line and 055 West Line Mill Emulsion and Quench Systems shall be as follows:

Pursuant to 326 IAC 2-2-3 (Prevention of Significant Deterioration (PSD)), 326 IAC 8-1-6 (BACT), and PSD Significant Source Modification No.: 183-24485-00016:

- (a) The VOC input to the 055 East Line Quench System and the associated quench solution storage tank, shall not exceed 9.125 tons per month.
- (b) The VOC input to the 055 West Line Quench System and the associated quench solution storage tank, shall not exceed 9.125 tons per month.
- (c) The emissions from the 055 East and 055 West Quench Systems, including the two (2) quench solution storage tanks, shall be controlled by one (1) of the following four (4) furnaces: North Rotary Furnace, South Rotary Furnace, 055 West Line holding furnace, or 055 East Line holding furnace. The capture system shall have a capture efficiency of 100% and each furnace shall achieve a minimum VOC destruction efficiency of 98%.
- (d) The total VOC input to the 055 East Line Mill Emulsion System and the associated mill emulsion storage tank, shall not exceed two (2) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (e) The total VOC input to the 055 West Line Mill Emulsion System and the associated mill emulsion storage tank, shall not exceed two (2) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

Compliance with these requirements will satisfy the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 8-1-6 (BACT) with respect to VOC for the affected units.