



Thomas M. McDermott, Jr.
Mayor

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

CITY OF HAMMOND

RONALD L. NOVAK

Director

April 27, 2007

Mark Volkmann
EHS Coordinator
Jupiter Aluminum Corporation
1745 – 165th Street
Hammond, IN 46320

Re: 089-23713-00201
Significant Permit Modification to
Part 70 permit T089-5838-00201

Dear Mr. Volkmann:

Jupiter Aluminum Corporation was issued Part 70 operating permit T089-5838-00201 on March 4, 1998 for Secondary Aluminum Production. An application requesting changes to this permit was received on September 18, 2006. Pursuant to the provisions of 326 IAC 2-7-12, a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of the installation of Annealing Furnace #6. The required limitations and compliance conditions have also been updated or added accordingly.

While the permit has been updated to include the opacity controls for all the annealers, changes in potential to emit from Annealers 1-5 (based on recent stack test data) were not included in Jupiter's application and, therefore, were not evaluated as part of this modification. Pursuant to Part 70 permit condition B.8, Jupiter is required to submit the necessary information to correct errors in PTEs for Annealers 1-5 present in previous applications.

All other conditions of the permit shall remain unchanged and in effect. Please find a copy of this modification and the revised permit attached.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Ronald Holder, HDEM at (219) 853-6306.

Sincerely,

Original signed by:

Ronald L. Novak, Director
Hammond Department of Environmental Management
Air Pollution Control Division

Enclosure
RH

cc: Mindy Hahn, IDEM-OAQ, Permits Administration

5925 Calumet Avenue
Hammond, IN 46320
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Thomas M. McDermott, Jr.
Mayor

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

CITY OF HAMMOND

RONALD L. NOVAK
Director

PART 70 OPERATING PERMIT

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
and
HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**

**Jupiter Aluminum Corporation
1745 - 165th Street
Hammond, Indiana 46320**

(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 and 326 IAC 2-1-3.2 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T089-5838-00201	
Original Issued by: Felicia R. George, Assistant Commissioner, Office of Air Quality	Issuance Date: March 4, 1998

Administrative Amendment: 089-11158-00201	Issuance Date: August 26, 1999
Administrative Amendment: 089-12405-00201	Issuance Date: September 29, 2000
Minor Permit Modification: 089-15027-00201	Issuance Date: January 2, 2002
Significant Permit Modification: 089-15735-00201	Issuance Date: August 12, 2002
Significant Permit Modification: 089-17445-00201	Issuance Date: February 8, 2005
Administrative Amendment: 089-20998-00201	Issuance Date: April 11, 2005

Significant Permit Modification: 089-23713-00201	Pages Affected: 1-26, 28-30, and 39-43
Issued by: _____ Original signed by: _____ Ronald L. Novak, Director Hammond Department of Environmental Management	Issuance Date: April 27, 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) and Hammond Department of Environmental Management (HDEM). 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 Secondary Aluminum Production Plant.

Source Address: 1745 – 165th Street, Hammond, IN 46320
Mailing Address: same
General Source Phone Number: (219) 932-3322
SIC Code: 3353 – Secondary Aluminum Processing
County Location: Lake County

Source Location Status: Nonattainment for PM_{2.5}
Nonattainment for ozone under the 8-hour standard
Attainment for all other criteria pollutants

Source Status: Part 70 Permit Program
Major Source under PSD and Emission Offset Rules
Major 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)]

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

- (1) Cleaver Brooks Boiler (BS-10) (Stack ID BS-10.1)
This boiler has a maximum design rate of 6 million Btu/hr heat input and is natural gas fired only. The unit is used to provide steam for the casters.
- (2) Annealing Furnace #1 (AS-3)
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #1, re-constructed in 1995, with a maximum rate of 3.42 tons of aluminum coil per hour and a maximum heat input capacity of 9.0 MMBtu/hr, using a fume filtration system (FFS-AN1) to control visible emissions, and exhausting to stacks AS-3.1, AS-3.2, and AS-3.3.
- (3) Annealing Furnace #2 (AS-4)
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #2, installed in 1988, with a maximum rate of 3.42 tons of aluminum coil per hour and a maximum heat input capacity of 16.0 MMBtu/hr, using a fume filtration system (FFS-AN2) to control visible emissions, and exhausting to stacks AS-4.1, AS-4.2, AS-4.3, AS-4.4, and AS-4.5.
- (4) Annealing Furnace #3 (AS-5)
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #3, installed in 1989, with a maximum rate of 3.42 tons of aluminum coil per hour and a maximum heat input capacity of 16.0 MMBtu/hr, using a fume filtration system (FFS-AN3) to control visible emissions, and exhausting to stacks AS-5.1, AS-5.2, AS-5.3, and AS-5.4

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- (5) Annealing Furnace #4 (AS-6)
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #4, installed in 1999, with a maximum rate of 4.11 tons of aluminum coil per hour and a maximum heat input capacity of 13.5 MMBtu/hr, using a fume filtration system (FFS-AN4) to control visible emissions, and exhausting to stacks AS-6.1 and 6.2.
- (6) Annealing Furnace #5 (AS-7)
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #5, installed in 1999, with a maximum rate of 4.11 tons of aluminum coil per hour and a maximum heat input capacity of 13.5 MMBtu/hr, using a fume filtration system (FFS-AN5) to control visible emissions, and exhausting to stacks AS-7.1 and 7.2.
- (7) Annealing Furnace #6 (AS-8)
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #6, approved for construction in 2007, with a maximum rate of 8.22 tons of aluminum coil per hour and a maximum heat input capacity of 20.0 MMBtu/hr, using a fume filtration system (FFS-AN6) to control visible emissions, and exhausting to stacks S-21 and S-21A.
- (8) Aluminum Reverberatory Furnace #2 (MS-1A)
This unit has a maximum design rate of 40 million Btu/hr heat input using natural gas. The maximum rate of scrap aluminum feed to this furnace is 15 tons per hour with a 95% melt recovery rate (14.25 tons per hour). Particulate emissions generated during the melting process are primarily controlled by an American Air Filter Baghouse (BHS-7) which is rated at 99% control efficiency. This unit can also burn waste oil at a rate of 20 million Btu/hr.
- (9) Aluminum Reverberatory Furnace No. 6 (MS-1E)
This unit has a maximum design rate of 40 million Btu/hr heat input using natural gas. The maximum rate of scrap aluminum feed to this furnace is 15 Tons per hour with a 95% melt recovery rate (14.25 tons per hour). Particulate emissions generated during the melting process are primarily controlled by a Wheelabrator Baghouse (BHS-6) which is rated at 99% control efficiency. This unit can also burn waste oil at a rate of 20 million Btu/hr.
- (10) Aluminum Reverberatory Furnace No. 7 (MS-1F)
This unit has a maximum design rate of 6 million Btu/hr heat input using natural gas. The maximum rate of scrap aluminum feed to this furnace is 1.8 Tons per hour with a 90% melt recovery rate (1.62 Tons per hour). Particulate emissions generated during the melting process are primarily controlled by a Carborundum Baghouse (BHS-5) which is rated at 99% control efficiency. This unit can also burn waste oil at a rate of 6 million Btu/hr.
- (11) Aluminum Reverberatory Furnace No. 3 (MS-1B) (Stack ID MS-1B)
This unit has a maximum design rate of 20 million Btu/hr heat input using natural gas. The maximum rate of scrap aluminum feed to this furnace is 3.9 Tons per hour with a 90% melt recovery rate (3.5 tons per hour). Emissions generated during the melting process are controlled by a Thermal Afterburner which is rated at 99% control efficiency. This unit can also burn waste oil at a rate of 15 million Btu/hr.
- (12) Aluminum Reverberatory Furnace No. 4 (MS-1C) (Stack ID MS-1C)
This unit has a maximum design rate of 20 million Btu/hr heat input using natural gas. The maximum rate of scrap aluminum feed to this furnace is 3.9 Tons per hour with a 90% melt recovery rate (3.5 tons per hour). Emissions generated during the melting process are controlled by a Thermal Afterburner which is rated at 99% control efficiency. This unit can also burn waste oil at a rate of 15 million Btu/hr.

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- (13) Aluminum Reverberatory Furnace No. 5 (MS-1D) (Stack ID MS-1D)
This unit has a maximum design rate of 14 million Btu/hr heat input and is natural gas fired only. The maximum rate of scrap aluminum feed to this furnace is 3.3 Tons per hour with a 90% melt recovery rate (3.0 Tons per hour). Emissions generated during the melting process are controlled by a Thermal Afterburner which is rated at 99% control efficiency.
- (14) Holding Furnace (HS-2) (stack ID HS-2)
This furnace has a maximum design rate of 10 million Btu/hr heat input using natural gas. The unit is used to stabilize molten metal temperature. This unit can also burn waste oil at a rate of 10 million Btu/hr.

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

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

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million BTU per hour.
- (b) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.
- (c) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (d) Refractory storage not requiring air pollution control equipment.
- (e) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.
- (f) Rolling oil recovery systems.
- (g) Forced and induced draft cooling tower system not regulated under a NESHAP.
- (h) Heat exchanger cleaning and repair.
- (i) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (j) Filter or coalescer media changeout.

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 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 and HDEM, upon receiving a timely and complete renewal application, fail 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 1 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]

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

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 or HDEM within a reasonable time, any information that IDEM, OAQ or HDEM 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 or HDEM 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. One (1) certification may cover multiple forms in one (1) submittal.
- (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. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than April 15th of each year to:

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

and

Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320

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 and HDEM 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 and HDEM 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 maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) A copy of the PMPs shall be submitted to IDEM, OAQ or HDEM upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ and HDEM. IDEM, OAQ or HDEM 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 and HDEM within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

(IDEM)

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

(HDEM)

Telephone Number: 219-853-6306

Facsimile Number: 219-853-6343

- (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

Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management

5925 Calumet Avenue, Room 304

Hammond, Indiana 46320

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 and HDEM 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 and HDEM 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 and HDEM 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 or HDEM 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 or HDEM 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 089-23713-00201 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
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320

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 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 or HDEM 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 or HDEM 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 or HDEM at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ or HDEM 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 HDEM 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
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320

- (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 and HDEM 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 and HDEM take final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ and HDEM 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]

- (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
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320

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
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320

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] [326 IAC 2-2-2] [326 IAC 2-3-2]

- (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 2-2-2 or 326 IAC 2-3-2.

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, HDEM, 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
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320

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 and HDEM 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 or HDEM 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

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

C.1 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 twenty percent (20%) 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.2 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.3 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.4 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.5 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 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

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

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

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

C.7 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
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320

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 and HDEM not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ and HDEM if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.8 Compliance Requirements [326 IAC 2-1.1-11]

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

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

C.9 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
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320

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.10 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.11 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.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on June 18, 2003.
- (b) Upon direct notification by IDEM, OAQ or HDEM that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.13 Risk Management Plan [326 IAC 2-7-5(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.14 Response to Excursions and 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

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- (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;
 - (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.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

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- (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.16 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]

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- (a) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year 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
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320

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 and HDEM on or before the date it is due.

C.17 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 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 or HDEM makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or HDEM 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 reasonable possibility that a "project" (as defined in 326 IAC 2-2-1(qq) or 326 IAC 2-3-1(ll)) at an existing emission unit, other than projects at a Clean Unit or at a source with Plant-wide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) or 326 IAC 2-3-1(mm)), the Permittee shall comply with the following:
- (1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) 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;

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- (ii) Projected actual emissions;
 - (iii) Amount of emissions excluded under section 326 IAC 2-2-1 (rr)(2)(A)(iii) or 326 IAC 2-3-1(mm)(2)(A)(3); 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.18 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 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
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ and HDEM 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) 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) 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 and HDEM:

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- (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) 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 a 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) 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
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320

- (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 or HDEM. The general public may request this information from the IDEM, OAQ or HDEM under 326 IAC 17.1.

Stratospheric Ozone Protection

C.19 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

- (1) Cleaver Brooks Boiler (BS-10) (Stack ID BS-10.1)
This boiler has a maximum design rate of 6 million Btu/hr heat input and is natural gas-fired only. The unit is used to provide steam for the casters.

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

D.1.1 Particulate Matter (PM) and Particulate Matter less than 10 microns in diameter (PM10)

Pursuant to Construction Permit No. 00528 and Operation Permit No. 00703, this unit is limited to PM and PM10 emissions of 0.003 lbs/MMBtu and 0.018 lbs/hr each.

Compliance Determination Requirements

D.1.2 Testing Requirements [326 IAC 2-7-6(1)]

Testing of this facility is not specifically required by this permit. However, this does not preclude testing requirements on this facility under 326 IAC 2-1-4(f) and 326 IAC 2-7-6(1).

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

D.1.3 There are no specific compliance monitoring requirements applicable to this facility.

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

D.1.4 Record Keeping Requirements

There are no record keeping requirements for this facility.

D.1.5 Reporting Requirements

There are no reporting requirements for this facility.

SECTION D.2

FACILITY OPERATION CONDITIONS

Six (6) Annealing Furnaces:

- (2) Annealing Furnace #1 (AS-3)
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #1, re-constructed in 1995, with a maximum rate of 3.42 tons of aluminum coil per hour and a maximum heat input capacity of 9.0 MMBtu/hr, using a fume filtration system (FFS-AN1) to control visible emissions, and exhausting to stacks AS-3.1, AS-3.2, and AS-3.3.
- (3) Annealing Furnace #2 (AS-4)
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #2, installed in 1988, with a maximum rate of 3.42 tons of aluminum coil per hour and a maximum heat input capacity of 16.0 MMBtu/hr, using a fume filtration system (FFS-AN2) to control visible emissions, and exhausting to stacks AS-4.1, AS-4.2, AS-4.3, AS-4.4, and AS-4.5.
- (4) Annealing Furnace #3 (AS-5)
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #3, installed in 1989, with a maximum rate of 3.42 tons of aluminum coil per hour and a maximum heat input capacity of 16.0 MMBtu/hr, using a fume filtration system (FFS-AN3) to control visible emissions, and exhausting to stacks AS-5.1, AS-5.2, AS-5.3, and AS-5.4.
- (5) Annealing Furnace #4 (AS-6)
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #4, installed in 1999, with a maximum rate of 4.11 tons of aluminum coil per hour and a maximum heat input capacity of 13.5 MMBtu/hr, using a fume filtration system (FFS-AN4) to control visible emissions, and exhausting to stacks AS-6.1 and 6.2.
- (6) Annealing Furnace #5 (AS-7)
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #5, installed in 1999, with a maximum rate of 4.11 tons of aluminum coil per hour and a maximum heat input capacity of 13.5 MMBtu/hr, using a fume filtration system (FFS-AN5) to control visible emissions, and exhausting to stacks AS-7.1 and 7.2.
- (7) Annealing Furnace #6 (AS-8)
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #6, approved for construction in 2007, with a maximum rate of 8.22 tons of aluminum coil per hour and a maximum heat input capacity of 20.0 MMBtu/hr, using a fume filtration system (FFS-AN6) to control visible emissions, and exhausting to stacks S-21 and S-21A.

The information describing the processes 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 Particulate Matter less than 10 microns in diameter (PM10) [326 IAC 6.8]

- (a) Pursuant to 326 IAC 6.8-6-1 (Lake County; Combustion Sources; Natural Gas) formerly 326 IAC 6-1-10.1 (Lake County PM10 Emission Requirements), subsection (h), the following units shall fire natural gas only and emissions of particulate matter less than ten microns in diameter (PM10) from these facilities shall be limited as follows:

Unit ID:	PM10 Emissions Limit	
	(lbs/MMBtu)	(lbs/hr)
Number 2 annealer	0.003	0.048
Number 3 annealer	0.003	0.048
Annealing furnace #1	0.003	0.040

- (b) Pursuant to 326 IAC 6.8-1-2, particulate matter emissions from the following units shall not exceed three-hundredths (0.03) grain per dry standard cubic foot (dscf).

Unit ID:	PM10 Emissions Limit	
	(gr/dscf)	(lbs/hr)
Annealing Furnace #4	0.03	0.389
Annealing Furnace #5	0.03	0.389
Annealing Furnace #6	0.03	0.691

D.2.2 Particulate Matter (PM) [Hammond Ordinance 3522]

Pursuant to the Hammond Air Quality Control Ordinance 3522 (as amended), the PM emissions limits for these facilities shall be set equal to the PM10 emission limits.

D.2.3 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 for these facilities and their control equipment.

Compliance Determination Requirements

D.2.4 Operational Requirements [326 IAC 2-7-5(1)] [Hammond Ordinance 7102]

Pursuant to Hammond Air Quality Control Ordinance 7102, the Permittee shall apply only the currently used rolling oils to the aluminum coils prior to annealing. Any new materials or changes that may affect the potential to emit (PTE) must be approved by the Office of Air Quality (OAQ).

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

D.2.5 Visible Emissions Notations

- (a) Visible emission notations of each Annealing Furnace stack exhaust shall be performed once per day during normal daylight operations when exhausting to the atmosphere. 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.2.6 Parametric Monitoring [HDEM Agreed Order 030105]

Pursuant to HDEM Agreed Order 030105, the fume filtration systems for the abatement of visible emissions shall be monitored and operated in accordance with the manufacturer's specifications. The manufacturer's specifications shall be a part of the preventive maintenance plan and shall be available upon request.

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

D.2.7 Record Keeping Requirements

- (a) To document compliance with Condition D.2.5, the Permittee shall maintain records of the daily visible emission notations for each Annealing Furnace stack exhaust.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.3 FACILITY OPERATION CONDITIONS

Three (3) Aluminum Reverberatory Furnaces No. 2, 6, and 7:

- (8) Aluminum Reverberatory Furnace No. 2 (MS-1A)
This unit has a maximum design rate of 40 million Btu/hr heat input using natural gas. The maximum rate of scrap aluminum feed to this furnace is 15 Tons per hour with a 95% melt recovery rate (14.25 Tons per hour). Particulate emissions generated during the melting process are primarily controlled by an American Air Filter Baghouse (BHS-7) which is rated at 99% control efficiency. This unit can also burn waste oil at a rate of 20 million Btu/hr.
- (9) Aluminum Reverberatory Furnace No. 6 (MS-1E)
This unit has a maximum design rate of 40 million Btu/hr heat input using natural gas. The maximum rate of scrap aluminum feed to this furnace is 15 Tons per hour with a 95% melt recovery rate (14.25 Tons per hour). Particulate emissions generated during the melting process are primarily controlled by a Wheelabrator Baghouse (BHS-6) which is rated at 99% control efficiency. This unit can also burn waste oil at a rate of 20 million Btu/hr.
- (10) Aluminum Reverberatory Furnace No. 7 (MS-1F)
This unit has a maximum design rate of 6 million Btu/hr heat input using natural gas. The maximum rate of scrap aluminum feed to this furnace is 1.8 Tons per hour with a 90% melt recovery rate (1.62 Tons per hour). Particulate emissions generated during the melting process are primarily controlled by a Carborundum Baghouse (BHS-5) which is rated at 99% control efficiency. This unit can also burn waste oil at a rate of 6 million Btu/hr.

Normally, furnace 2 is controlled by Baghouse BHS-7, furnace 6 is controlled by Baghouse BHS-6, and furnace 7 is controlled by Baghouse BHS-5. However, during maintenance or other circumstances as necessary, all three furnaces can be vented to either baghouse BHS-6 or BHS-7.

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

D.3.1 Particulate Matter less than 10 microns in diameter (PM10)

Pursuant to 326 IAC 6-1-10.1(Lake County PM10 Emission Requirements), subsection (d), emissions of particulate matter less than ten microns in diameter (PM10) from Aluminum Reverberatory Furnaces No. 2 and 6 shall be limited as follows:

Unit ID:	PM10 Emissions Limit	
	(lbs/ton)	(lbs/hr)
Aluminum Reverberatory Furnace No. 2	0.130	1.137
Aluminum Reverberatory Furnace No. 6	0.060	0.970

D.3.2 Particulate Matter (PM)

Pursuant to the Hammond Air Quality Control Ordinance No. 3522 (as amended), the PM emissions limits from Aluminum Reverberatory Furnaces No. 2 and 6 shall be set equal to the PM10 emissions limits.

D.3.3 Particulate Matter less than 10 microns in diameter (PM10)

Pursuant to the Hammond Air Quality Control Ordinance No. 3522 (as amended) and Construction Permit No. 00568, the PM10 emissions limits from the Aluminum Reverberatory Furnace No. 7 shall be limited to 0.060 lbs/ton and 0.970 lbs/hr.

D.3.4 Particulate Matter (PM)

Pursuant to the Hammond Air Quality Control Ordinance No. 3522 (as amended) and Construction Permit No. 00568, the PM emissions limits from the Aluminum Reverberatory Furnace No. 7 shall be limited to 0.03 gr/dscf and 4.770 lbs/hr.

D.3.5 Emission Offset Minor Limit and Sulfur Dioxide Emissions Limitation [326 IAC 2-3] [326 IAC 7-4-1.1]

- (a) Emission Offset Minor Limit [326 IAC 2-3]
All melting and holding furnaces shall have a combined limit not to exceed forty (40) tons of SO₂ emissions from the combustion of waste oil per twelve (12) consecutive month period. This limitation also limits the potential to emit of the other criteria pollutants from the combustion of waste oil such that the significant levels for Emission Offset applicability are not exceeded. Therefore, 326 IAC 2-3 (Emission Offset) requirements do not apply.
- (b) Sulfur Dioxide Emission Limitations [326 IAC 7-4-1.1]
Pursuant to 326 IAC 7-4-1.1, sulfur dioxide emissions from each melting and holding furnace using waste oil as a fuel shall be limited to three-tenths (0.3) pounds per million Btu. This limitation is equivalent to a sulfur content of no greater than four-tenths of a percent (0.4%).

D.3.6 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 and their control equipment.

Compliance Determination Requirements

D.3.7 Testing Requirements [326 IAC 2-7-6(1)]

A compliance stack test shall be performed to demonstrate compliance with the PM₁₀ limit for Furnaces #2 and #6 at the exhaust of the baghouse normally controlling that furnace. The initial test shall be performed using baghouse (BHS-6). Thereafter, the baghouses shall be alternated for each compliance test. Testing shall be completed within twenty-four (24) months of issuance of this permit and repeated no less than once every 5 years thereafter. Any furnace approved to burn an alternate fuel other than natural gas shall perform the compliance stack test using the approved alternate fuel. Testing shall be performed in accordance with methods acceptable to the Commissioner.

D.3.8 Particulate Control

- (a) In order to comply with particulate matter limitations, the baghouses shall be in operation and control emissions at all times that the 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 and 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.

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

D.3.9 Visible Emissions Notations

- (a) Visible emission notations of each Baghouse stack exhaust shall be performed once per day during normal daylight operations when exhausting to the atmosphere. 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.3.10 Parametric Monitoring

- (a) The Permittee shall record the pressure drop across the baghouses used in conjunction with the furnaces at least once per day when the furnaces are in operation. When, for any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 and 5.0 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.
- (b) 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 HDEM, and shall be calibrated at least once every six (6) months.

D.3.11 Broken or Failed Bag Detection

- (a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the 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 or emissions unit. 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 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 Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.3.12 Record Keeping Requirements

- (a) To document compliance with Conditions D.3.5(a) and (b), the Permittee shall maintain records of the quantity in gallons of waste oil burned each month and the calendar month percent sulfur content. These records shall be made available or submitted to the IDEM-OAQ or HDEM upon request.
- (b) To document compliance with Condition D.3.9, the Permittee shall maintain records of daily visible emission notations of each baghouse stack exhaust.
- (c) To document compliance with Condition D.3.10, the Permittee shall maintain records of the daily pressure drop readings for all furnace baghouses.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.3.13 Reporting Requirements

To document compliance with Conditions D.3.5(a) and (b), a quarterly summary of the quantity of waste oil burned each month, the SO₂ emissions for each month, the twelve (12) month rolling total of SO₂ emissions, and the calendar month percent sulfur content shall be submitted to the addresses 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.4 FACILITY OPERATION CONDITIONS

Three (3) Aluminum Reverberatory Furnaces No. 3, 4, and 5, equipped with a thermal afterburners:

- (11) Aluminum Reverberatory Furnace No. 3 (MS-1B) (Stack ID MS-1B)
 This unit has a maximum design rate of 20 million Btu/hr heat input using natural gas. The maximum rate of scrap aluminum feed to this furnace is 3.9 Tons per hour with a 90% melt recovery rate (3.5 tons per hour). Emissions generated during the melting process are controlled by a Thermal Afterburner which is rated at 99% control efficiency. This unit can also burn waste oil at a rate of 15 mmBtu/hr.
- (12) Aluminum Reverberatory Furnace No. 4 (MS-1C) (Stack ID MS-1C)
 This unit has a maximum design rate of 20 million Btu/hr heat input using natural gas. The maximum rate of scrap aluminum feed to this furnace is 3.9 Tons per hour with a 90% melt recovery rate (3.5 tons per hour). Emissions generated during the melting process are controlled by a Thermal Afterburner which is rated at 99% control efficiency. This unit can also burn waste oil at a rate of 15 mmBtu/hr.
- (13) Aluminum Reverberatory Furnace No. 5 (MS-1D) (Stack ID MS-1D)
 This unit has a maximum design rate of 14 million Btu/hr heat input and is natural gas fired only. The maximum rate of scrap aluminum feed to this furnace is 3.3 Tons per hour with a 90% melt recovery rate (3.0 Tons per hour). Emissions generated during the melting process are controlled by a Thermal Afterburner which is rated at 99% control efficiency.

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

D.4.1 Particulate Matter less than 10 microns in diameter (PM10)

Pursuant to 326 IAC 6-1-10.1(Lake County PM10 Emission Requirements), subsection (d), emissions of particulate matter less than ten microns in diameter (PM10) from these facilities shall be limited as follows:

Unit ID:	PM10 Emissions Limit	
	(lbs/ton)	(lbs/hr)
Aluminum Reverberatory Furnace No. 3	0.145	0.510
Aluminum Reverberatory Furnace No. 4	0.145	0.510
Aluminum Reverberatory Furnace No. 5	0.142	0.430

D.4.2 Particulate Matter (PM)

Pursuant to the Hammond Air Quality Control Ordinance No. 3522 (as amended), the PM emissions limits from these facilities shall be set equal to the PM10 emissions limits.

D.4.3 Emission Offset Minor Limit and Sulfur Dioxide Emissions Limitation [326 IAC 2-3] [326 IAC 7-4-1.1]

- (a) **Emission Offset Minor Limit [326 IAC 2-3]**
 All melting and holding furnaces shall have a combined limit not to exceed forty (40) tons of SO₂ emissions from the combustion of waste oil per twelve (12) consecutive month period. This limitation also limits the potential to emit of the other criteria pollutants from the combustion of waste oil such that the significant levels for Emission Offset applicability are not exceeded. Therefore, 326 IAC 2-3 (Emission Offset) requirements do not apply.

- (b) Sulfur Dioxide Emission Limitations [326 IAC 7-4-1.1]
Pursuant to 326 IAC 7-4-1.1, sulfur dioxide emissions from each melting and holding furnace using waste oil as a fuel shall be limited to three-tenths (0.3) pounds per million Btu. This limitation is equivalent to a sulfur content of no greater than four-tenths of a percent (0.4%).

D.4.4 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 and its control equipment.

Compliance Determination Requirements

D.4.5 Testing Requirements [326 IAC 2-7-6(1)]

A compliance stack test shall be performed on one of the three Aluminum Reverberatory Furnaces No. 3, 4, or 5 to demonstrate compliance with the PM₁₀ limit. The furnace tested shall be alternated among the three furnaces. The test shall be completed within twenty-four (24) months of issuance of this permit and repeated no less than once every 5 years thereafter. Any furnace approved to combust an alternate fuel other than natural gas shall perform the compliance stack test using the approved alternate fuel. Testing shall be performed in accordance with methods acceptable to the Commissioner.

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

D.4.6 Particulate Matter (PM) and Particulate Matter less than 10 microns in diameter (PM10)

Pursuant to Hammond Air Quality Control Ordinance No. 3522 (as amended), each thermal afterburner shall be in operation at all times when its associated furnace is in operation.

D.4.7 Visible Emissions Notations

- (a) Visible emission notations of each furnace exhaust shall be performed once per day during normal daylight operations when exhausting to the atmosphere. 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.4.8 Parametric Monitoring

- (a) The Permittee shall record the thermal afterburner operating temperature used in conjunction with the furnaces at least once per day when the furnaces are in operation. When, for any one reading, the thermal afterburner operating temperature is not at or above the normal range of 1600 °F, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A temperature 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.
- (b) The instrument used for determining the temperature shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ and HDEM, and shall be calibrated at least once every six (6) months.

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

D.4.9 Record Keeping Requirements

- (a) To document compliance with Conditions D.4.3(a) and (b), the Permittee shall maintain records of the quantity in gallons of waste oil burned each month and the calendar month percent sulfur content. These records shall be made available to the IDEM-OAQ or HDEM upon request.
- (b) To document compliance with Condition D.4.7, the Permittee shall maintain records of daily visible emission notations of each furnace stack exhaust.
- (c) To document compliance with Condition D.4.8, the Permittee shall maintain records of the daily thermal afterburner operating temperature readings.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.4.10 Reporting Requirements

To document compliance with Conditions D.4.3(a) and (b), a quarterly summary of the quantity of waste oil burned each month, the SO₂ emissions for each month, the twelve (12) month rolling total of SO₂ emissions, and the calendar month percent sulfur content shall be submitted to the addresses 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.5 FACILITY OPERATION CONDITIONS

(14) Holding Furnace (HS-2) (stack ID HS-2)

This furnace has a maximum design rate of 10 million Btu/hr heat input using natural gas. The unit is used to stabilize molten metal temperature. This unit can also burn waste oil at a rate of 10 mmBtu/hr.

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

D.5.1 Particulate Matter (PM) and Particulate Matter less than 10 microns in diameter (PM10)

Pursuant to Hammond Air Quality Control Ordinance No. 3522 (as amended) and Operation Permit No. 00694, this unit is limited to PM and PM10 emissions of 0.029 lbs/hr and 0.125 tons/yr each.

D.5.2 Emission Offset Minor Limit and Sulfur Dioxide Emission Limitations [326 IAC 2-3] [326 IAC 7-4-1.1]

(a) Emission Offset Minor Limit [326 IAC 2-3]

All melting and holding furnaces shall have a combined limit not to exceed forty (40) tons of SO₂ emissions from the combustion of waste oil per twelve (12) consecutive month period. This limitation also limits the potential to emit of the other criteria pollutants from the combustion of waste oil such that the significant levels for Emission Offset applicability are not exceeded. Therefore, 326 IAC 2-3 (Emission Offset) requirements do not apply.

(b) Sulfur Dioxide Emission Limitations [326 IAC 7-4-1.1]

Pursuant to 326 IAC 7-4-1.1, sulfur dioxide emissions from each melting and holding furnace using waste oil as a fuel shall be limited to three-tenths (0.3) pounds per million Btu. This limitation is equivalent to a sulfur content of no greater than four-tenths of a percent (0.4%).

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

D.5.3 Record Keeping Requirements

To document compliance with Conditions D.5.2(a) and (b), the Permittee shall maintain records of the quantity in gallons of waste oil burned each month and the calendar month percent sulfur content. These records shall be made available or submitted to the IDEM-OAQ or HDEM upon request.

D.5.4 Reporting Requirements

To document compliance with Conditions D.5.2(a) and (b), a quarterly summary of the quantity of waste oil burned each month, the SO₂ emissions for each month, the twelve (12) month rolling total of SO₂ emissions, and the calendar month percent sulfur content shall be submitted to the addresses 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**

and

HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

**PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Jupiter Aluminum Corporation
Source Address: 1745 - 165th Street, Hammond, Indiana 46320
Mailing Address: (same)
Part 70 Permit No.: T089-5838-00201

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
- Emergency/Deviation Occurrence Reporting Form
- Test Result (specify)
- Report (specify)
- Notification (specify)
- Other (specify)

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

Signature:

Printed Name:

Title/Position:

Date:

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

**100 North Senate Avenue
Indianapolis, Indiana 46204
Phone: 317-233-5674
Fax: 317-233-5967**

and

**HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
5925 Calumet Avenue
Hammond, Indiana 46320
Phone: 219-853-6306
Fax: 219-853-6343**

**PART 70 OPERATING PERMIT
EMERGENCY/DEVIATION OCCURRENCE REPORT**

Source Name: Jupiter Aluminum Corporation
Source Address: 1745 - 165th Street, Hammond, Indiana 46320
Mailing Address: (same)
Part 70 Permit No.: T089-5838-00201

This form consists of 2 pages

Page 1 of 2

Check either No. 1 or No. 2

1. This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Management (OAM), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
 - The Permittee must submit notice in writing or by facsimile within two (2) days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7- 16
2. This is a deviation, reportable per 326 IAC 2-7-5(3)(c)
- The Permittee must submit notice in writing within ten (10) calendar days

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/Deviation:

Describe the cause of the Emergency/Deviation:

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

Page 2 of 2

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

Attach a signed certification to complete this report.

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

**PART 70 OPERATING PERMIT
QUARTERLY COMPLIANCE REPORT**

Source Name: Jupiter Aluminum Corporation
Source Address: 1745 - 165th Street, Hammond, Indiana 46320
Mailing Address: (same)
Part 70 Permit No.: T089-5838-00201

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

This report is an affirmation that the source has met all the requirements stated in this permit. This report shall be submitted quarterly. Any deviation from the requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. This form can be supplemented by attaching the Emergency/Deviation Occurrence Report. If no deviations occurred, please specify zero in the column marked "No Deviations".

LIST EACH COMPLIANCE REQUIREMENT EXISTING FOR THIS SOURCE:			
Requirement (eg. Permit Condition D.1.3)	Number of Deviations	Date of each Deviations	No Deviations

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

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION
 and
 HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 Part 70 Quarterly Report**

Source Name: Jupiter Aluminum Corporation
 Source Address: 1745 – 165th Street, Hammond, Indiana 46320
 Mailing Address: 1745 – 165th Street, Hammond, Indiana 46320
 Part 70 Permit No.: T089-5838-00201
 Facility: Melting Furnaces #2, #3, #4, #6, #7, and Holding Furnace #1
 Parameter: Sulfur Dioxide (SO₂) Emissions
 Emission Offset Minor Limit and Sulfur Content Limit
 Total SO₂ emissions shall not exceed forty (40) tons per twelve (12) consecutive month period, rolled on a monthly basis. Sulfur content shall not exceed four-tenths of a percent (0.4%) by weight.

QUARTER: _____ YEAR: _____

Month		Column 1	Column 2	Column 1 + Column 2
		Month (tons SO ₂) kgal x 18.4 ÷ 2000	Previous 11 Months (tons SO ₂)	12 Month Total (tons SO ₂)
Month				
Gallons				
% Sulfur				
Month				
Gallons				
% Sulfur				
Month				
Gallons				
% Sulfur				

This form is optional. An equivalent form subject to approval by IDEM-OAQ or HDEM may be used.

_____ 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**

and

**Hammond Department of Environmental Management
-Air Pollution Control Division-**

Addendum to the Technical Support Document for a
Part 70 Significant Permit Modification.

Source Name:	Jupiter Aluminum Corporation, Inc.
Source Location:	1745 – 165 th Street, Hammond, Indiana
County:	Lake
SIC Code:	3353 – Secondary Aluminum Processing
Operation Permit No.:	T089-5838-00201
Significant Permit Modification No.:	089-23713-00201
Permit Reviewer:	Ronald Holder, HDEM

On February 22, 2007, the Hammond Department of Environmental Management (HDEM) had a notice published in the Hammond Times, Hammond, Indiana, stating that Jupiter Aluminum Corporation, Inc. had applied for a modification of their Part 70 Operating Permit for a secondary aluminum processing facility. The notice also stated that HDEM proposed to issue the 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 HDEM 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):

On page 14 of 43, in section (a) of Condition B.13, Prior Permits Superseded, the permit number has been corrected to reflect the current permit being issued ~~T089-15690-00201~~ **089-23713-00201**.

On page 25 of 43, in section (c) of Condition C.17, General Record Keeping Requirements, for clarity, a space has been inserted between conditions (c)(1)(C)(iii) and (c)(1)(C)(iv).

On page 26 of 43, in section (g) of Condition C.18, General Reporting Requirements, for clarity, the word “a” has been inserted between the words “for” and “project”.

On page 30 of 43, in SECTION D.2, in Condition D.2.6, Parametric Monitoring, the word “opacity” has been replaced with the words “**visible emissions**” to be consistent with the facility description box.

The OAQ prefers that the Technical Support Document 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**

and

**Hammond Department of Environmental Management
Air Pollution Control Division**

Technical Support Document (TSD) for a Part 70 Minor Source
Modification and Significant Permit Modification.

Source Description and Location
--

Source Name:	Jupiter Aluminum Corporation
Source Location:	1745 – 165 th Street, Hammond, Indiana 46320
County:	Lake
SIC Code:	3353 – Secondary Aluminum Processing
Operation Permit No.:	T089-5838-00201
Operation Permit Issuance Date:	March 4, 1998
Minor Source Modification No.:	089-23712-00201
Significant Permit Modification No.:	089-23713-00201
Permit Reviewer:	Ronald Holder, HDEM

Existing Approvals

The source was issued Part 70 Operating Permit No. T089-5838-00201 on March 4, 1998. The source has since received the following approvals:

- | | | |
|-----|---------------------------------|--|
| (a) | Minor Source Modification | 089-11098-00201, issued on August 26, 1999, |
| (b) | Administrative Amendment | 089-11158-00201, issued on August 26, 1999, |
| (c) | Minor Source Modification | 089-12401-00201, issued on August 15, 2000, |
| (d) | Administrative Amendment | 089-12405-00201, issued on September 29, 2000, |
| (e) | Minor Source Modification | 089-15025-00201, issued on November 8, 2001, |
| (f) | Minor Permit Modification | 089-15027-00201, issued on January 2, 2002, |
| (g) | Exemption | 089-15733-00201, issued on May 30, 2002, |
| (h) | Significant Permit Modification | 089-15735-00201, issued on August 12, 2002, |
| (i) | Significant Source Modification | 089-17411-00201, issued on September 5, 2003, |
| (j) | Significant Permit Modification | 089-17445-00201, issued on February 8, 2005, and |
| (k) | Administrative Amendment | 089-20998-00201, issued on April 11, 2005. |

County Attainment Status

The source is located in Lake County.

Pollutant	Status
PM ₁₀	Attainment
PM _{2.5}	Nonattainment
SO ₂	Attainment
NO _x	Attainment
8-hour Ozone	Moderate Nonattainment
CO	Attainment
Lead	Attainment

- (a) Volatile organic compounds (VOC) and nitrogen oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to the ozone standards. Lake County has been designated as moderate non-attainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.
- (b) U.S. EPA, in the Federal Register Notice 70 FR 943 dated January 5, 2005, has designated Lake County as nonattainment for PM2.5. On March 7, 2005, the Indiana Attorney General's Office, on behalf of IDEM, filed a law suit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's guidance to regulate PM10 emissions as a surrogate for PM2.5 emissions pursuant to the requirements of Emission Offset, 326 IAC 2-3.
- (c) Lake County has been classified as attainment or unclassifiable for PM10, SO₂, CO, and Lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) Lake County has been classified as nonattainment for PM2.5. Therefore, these emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.
- (e) Since this source is classified as a secondary metal production plant, it is considered one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (f) Fugitive Emissions
Since this type of operation is in one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are counted toward the determination of PSD and Emission Offset applicability.

Source Status

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

Pollutant	Emissions (tons/year)
PM	> 100
PM10	< 100
SO ₂	< 100
VOC	> 100
CO	< 100
NO _x	< 100

- (a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because a regulated pollutant is emitted at a rate of 100 tons per year or more, and it is one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (b) This existing source is a major stationary source under Emission Offset (326 IAC 2-3) because volatile organic compounds (VOC), a nonattainment regulated pollutant, is emitted at a rate of one hundred (100) tons per year or more in a nonattainment area.
- (c) These emissions are based upon the potential to emit as reported in the source's 2004 emission statement and the allowable emissions as determined by HDEM.

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

HAPs	Potential To Emit (tons/year)
Antimony	< 1
Arsenic	< 1
Beryllium	< 1
Cadmium	< 1
Chlorine	< 1
Diethanolamine	< 5
Hydrogen Chloride	> 10
Hydrogen Fluoride	< 2
Lead	< 1
Manganese	< 1
Mercury	< 1
Nickel	< 1
Selenium	< 1
Polychlorinated dibenzofurans total (D/F)	< 1
Polychlorinated dibenzo-p-dioxins total	< 1
TOTAL	< 25

- (d) The May 16, 1995 EPA guidance, commonly referred to as the "Once in Always in Policy" indicates the Agency's position that sources wishing to establish themselves as area sources (not major) must do so prior to the compliance date of the applicable MACT standard. Therefore, this existing source is considered a major source of hazardous air pollutants (HAPs) for the purposes of 40 CFR 63, Subpart RRR, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Secondary Aluminum Production because they did not accept enforceable limits on HAP emissions prior to the March 24, 2003 compliance date for the Secondary Aluminum NESHAP - 40 CFR 63, Subpart RRR.

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2004 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	13.25
PM10	9.73
SO ₂	18.24
VOC	13.61
CO	6.15
NO _x	6.75
HAPs	none reported

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Jupiter Aluminum on September 18, 2006, relating to the installation of a new Annealing Furnace #6 with a fume filtration system to control visible emissions. The company also proposes to add the fume filtration systems to the five (5) existing annealing furnaces. The following is a description of the proposed emission unit and control device as it will appear in Sections A and D of the permit:

Annealing Furnace #6 (AS-8)

One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #6, approved for construction in 2007, with a maximum rate of 8.22 tons of aluminum coil per hour and a maximum heat input capacity of 20.0 MMBtu/hr, using a fume filtration system (FFS-AN6) to control visible emissions, and exhausting to stacks S-21 and S-21A.

The fume filtration systems for this new furnace and the five (5) existing annealing furnaces are being installed to comply with the HDEM Agreed Order 030105 that requires corrective action to reduce visible emissions at the annealing furnaces to below the 20% opacity limit established in 326 IAC 5-1-2 for Lake County. Mist collection information submitted with the application does not quantify particulate or VOC control, but does guarantee a reduction to less than 15% opacity.

The description changes, adding the fume filtration systems to the other annealing furnaces are addressed in the "Proposed Changes" sections at the end of this document.

Enforcement Issues

- (a) IDEM is aware that some equipment, not specifically related to this modification, has been constructed and operated prior to receipt of the proper permits. IDEM is reviewing this matter and is taking the appropriate action. This proposed permit is intended to satisfy the requirements of the construction permit rules. There are no pending enforcement actions specifically related to this modification.
- (b) The existing aluminum melting furnaces are "Group 1" furnaces as defined in 40 CFR 63, Subpart RRR – National Emission Standards for Hazardous Air Pollutants (NESHAP) for Secondary Aluminum Production. Some of the existing "Group 1" furnaces may have been operated in violation of some of the NESHAP requirements. The EPA is reviewing this matter and is taking the appropriate action.

Stack Summary

Stack IDs	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temp (°F)
S-21	Annealing Furnace #6 (NG Combustion)	25	2.0	3600	250
S-21A	Annealing Furnace #6 (Annealing Chamber & Fume Filter)	60	0.33	200	100

Emission Calculations

See Appendix A of this document for detailed emission calculations (one (1) page).

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 before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	0.67
PM10	0.67
SO ₂	0.05
VOC	7.68
CO	7.36
NO _x	8.76
Lead	negligible

The installation of this annealing furnace will require a minor source modification approval pursuant to 326 IAC 2-7-10.5(d)(9) because it will result in an increase equal to or greater than fifteen (15) pounds per day of VOCs and twenty-five (25) pounds per day of NO_x. Additionally, the modification will be incorporated into the Part 70 Operating Permit through a significant permit modification issued pursuant to 326 IAC 2-7-12(d) because it involves a significant change in existing monitoring Part 70 permit terms or conditions. A requirement to operate the fume filtration systems will be added to the existing Annealing Furnace D-Section of the Part 70 permit.

Permit Level Determination – PSD or Emission Offset

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 permit modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/Emission Unit	Potential to Emit (tons/year)						
	PM	PM10 PM2.5	SO ₂	VOC	CO	NO _x	Pb
Potential to Emit Annealing Furnace #6 (AS-8)	0.67	0.67	0.05	7.68	7.36	8.76	negligible
Significant Level or Major Source Threshold	25	15	40	40	100	40	0.6

This modification to an existing major stationary source is not major because the emissions increase is less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

This modification to an existing major stationary source is not major because the emissions increase is less than the Emission Offset significant levels. Therefore, pursuant to 326 IAC 2-3, the Emission Offset requirements do not apply.

Lake County has been designated as nonattainment for PM2.5 in 70 FR 943 dated January 5, 2005. According to the April 5, 2005 EPA memo titled "Implementation of New Source Review Requirements in PM2.5 Nonattainment Areas" authored by Steve Page, Director of OAQPS, until EPA promulgates the PM2.5 major NSR regulations, states should assume that a major stationary source's PM10 emissions represent PM2.5 emissions. IDEM will use the PM10 nonattainment major NSR program as a surrogate to address the requirements of nonattainment major NSR for the PM2.5 NAAQS. Therefore, a significant emissions increase for PM2.5 would be a net emissions increase or the potential of fifteen (15) tons per year or greater of PM10.

Federal Rule Applicability Determination

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in this permit for this proposed modification.
- (b) This source is not subject to the requirements of the New Source Performance Standards (NSPS) for Primary Aluminum Reduction (326 IAC 12, 40 CFR 60, Subpart S) because it does not perform primary aluminum reduction as defined in 40 CFR 60.191. The source is a secondary aluminum facility. The requirements of 40 CFR 60, Subpart S, do not apply.
- (c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in this permit for this modification.
- (d) This source is subject to the National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production (40 CFR 63, Subpart RRR), which is incorporated by reference as 326 IAC 20-70. However, the annealing furnace being addressed in this modification approval is **not** one of the "affected units" listed in 40 CFR 63.1500(b).
- (e) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to new or modified emission units that involve a pollutant-specific emission unit and meet the following criteria:
 - (1) has a potential to emit before controls equal to or greater than the major source threshold for the pollutant involved;
 - (2) is subject to an emission limitation or standard for that pollutant; and
 - (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The requirements of 40 CFR Part 64, CAM are not applicable to this new emission unit because Annealing Furnace #6 does not have an uncontrolled PTE greater than the major source threshold for any of the criteria pollutants.

State Rule Applicability Determination

326 IAC 2-2 and 2-3 (PSD and Emission Offset)

PSD and Emission Offset applicability is discussed under the Permit Level Determination - PSD and Emission Offset section.

326 IAC 5-1 (Opacity Limitations)

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

- (a) Opacity shall not exceed an average of twenty percent (20%) 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.

326 IAC 6-2 (Particulate Emission Limitations for Sources of Indirect Heating)

326 IAC 6-2-4, emission limitations for facilities specified in 326 IAC 6-2-1(d), does not apply because 326 IAC 6-2-1(e), applicability, states that the limitations under 326 IAC 6.8 shall prevail.

326 IAC 6.8 (Particulate Matter Limitations for Lake County)

Pursuant to 326 IAC 6.8-1-2, particulate matter emissions from facilities not limited by other subsections of the rule shall not exceed three-hundredths (0.03) grain per dry standard cubic foot (dscf). For new Annealing Furnace #6, this limitation is equivalent to 0.691 lbs/hr. For existing annealing furnaces #4 and #5 that do not currently have specific particulate matter limitations, the limitations are equivalent to 0.389 lbs/hr for each furnace.

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 this modification are as follows:

Operational Requirements

Any materials applied to the aluminum coils prior to annealing, other than the currently used rolling oils, that could cause an increase of emissions, shall require an application for evaluation and approval by the permitting authority.

The Compliance Monitoring Requirements applicable to this modification are as follows:

Visible Emissions Notations

- (a) Visible emission notations of each annealing furnace stack exhaust shall be performed once per day during normal daylight operations when exhausting to the atmosphere. 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.

Parametric Monitoring

A Preventive Maintenance Plan (PMP) is required for these facilities and their control equipment.

The fume filtration systems for the abatement of opacity shall be operated according to the manufacturer's specifications. The manufacturer's specifications shall be a part of the above-mentioned preventive maintenance plan and shall be available upon request.

These monitoring conditions are necessary to ensure compliance with 326 IAC 5-1, 326 IAC 6.8, and 326 IAC 2-7 (Part 70).

Proposed Changes

1. All references to IDEM, OAQ's mailing address have been revised as follows:

Indiana Department of Environmental Management
Office of Air Quality
100 North Senate Avenue, ~~P.O. Box 6015~~
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**
2. 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 Condition B.10 – Preventive Maintenance and has amended Condition B.11 – Emergency Provisions.
3. For clarification purposes, Condition B.20 - Operational Flexibility has been revised.
4. In accordance with the credible evidence rule (62 Fed. Reg. 8314, Feb. 24, 1997); Section 113(a) of the Clean Air Act, 42 U.S.C. § 7413 (a); and a letter from the United States Environmental Protection Agency (USEPA) to IDEM, OAQ dated May 18, 2004, all permits must address the use of credible evidence; otherwise, USEPA will object to the permits. A condition for Credible Evidence has been added to Section B of the permit.
5. 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.
6. IDEM realizes that the specifications of Condition C.13 - Pressure Gauge 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 Condition C.13, now C.11, has been revised.
7. IDEM has reconsidered the requirement to develop and follow a Compliance Response Plan. 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, the condition for "Compliance Response Plan" has been replaced by the condition for "Response to Excursions or Exceedances". The Section D conditions that refer to this condition have been revised to reflect the new condition title.
8. For multi-compartment baghouses, the permit will not specify what actions the Permittee needs to take in response to a broken bag. Therefore, a requirement has been added to the Particulate Control Condition in the D Sections requiring the Permittee to notify IDEM if a broken bag is detected and the control device will not be repaired for more than ten (10) days. This notification allows IDEM to take any appropriate actions if the emission unit will continue to operate for a long period of time while the control device is not operating in optimum condition.

9. 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 D sections.
10. 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 D Section conditions requiring control device inspections have been removed from the permit. In addition, the requirement to keep records of the inspections has been removed.
11. The Broken or Failed Baghouse condition 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.

The changes listed below have been made to Part 70 Operating Permit T089-5838-00201. Deleted language appears as ~~strike throughs~~ and new language appears in **bold**:

Proposed Changes to Sections A, B, and C

SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) and Hammond Department of Environmental Management, and presented in the permit application.

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) and Hammond Department of Environmental Management (HDEM). 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)]

The Permittee owns and operates a Secondary Aluminum Production Plant.

Responsible Official: Executive Vice President
Source Address: 1745 165th Street, Hammond, Indiana 46320
Mailing Address: (same)
SIC Code: 3353 Aluminum Sheet, Plates, & Foil (Secondary Aluminum Processing)
County Location: Lake County
County Status: Attainment for PM10, NOx, CO, and Lead
Nonattainment for SO₂
Nonattainment for ozone under the 8 hour standard
Nonattainment for ozone under the 1 hour standard
Source Status: Part 70 Permit Program
Major Source under PSD and Emission Offset Rules;

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 Secondary Aluminum Production Plant.

Source Address: 1745 – 165th Street, Hammond, IN 46320
Mailing Address: same
General Source Phone Number: (219) 932-3322
SIC Code: 3353 – Secondary Aluminum Processing
County Location: Lake County

Source Location Status: Nonattainment for PM_{2.5}
Nonattainment for ozone under the 8-hour standard
Attainment for all other criteria pollutants

Source Status: Part 70 Permit Program
Major Source under PSD and Emission Offset Rules

Major 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)]

~~Jupiter Aluminum Corporation is a secondary aluminum processing plant which only includes smelting/refining. Jupiter Aluminum does not pretreat scrap received at the plant. The scrap is received from various sources, in various forms and is warehoused until processing.~~

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

In Section A.2, the unit descriptions for the five (5) existing annealing furnaces were modified to include the fume filtration systems and Annealing Furnace #6 was added as follows:

~~(2) — Annealing Furnace No. 1 (AS 3) (Stack ID AS 3.1 and 3.2)~~

~~This unit has a maximum design rate of 9 million Btu/hr heat input and is natural gas fired only. The unit is used to stress-relieve rolled aluminum strip coils. There are no pollution control equipment associated with this facility.~~

~~(3) — Annealing Furnace No. 2 (AS 4) (Stack ID AS 4.1, 4.2, 4.3 and 4.4)~~

~~This unit has a maximum design rate of 16 million Btu/hr heat input and is natural gas fired only. The unit is used to stress-relieve rolled aluminum strip coils. There are no pollution control equipment associated with this facility.~~

~~(4) — Annealing Furnace No. 3 (AS 5) (Stack ID AS 5.1, 5.2, 5.3, and 5.4)~~

~~This unit has a maximum design rate of 16 million Btu/hr heat input and is natural gas fired only. The unit is used to stress-relieve rolled aluminum strip coils. There are no pollution control equipment associated with this facility.~~

~~(5) — Annealing Furnace No. 4 (AS 6) (Stack ID AS 6.1 and 6.2)~~

~~This unit has a maximum design rate of 13.5 million Btu/hr heat input and is natural gas fired only. The unit is used to stress-relieve rolled aluminum strip coils. There are no pollution control equipment associated with this facility.~~

~~(6) — Annealing Furnace No. 5 (AS 7) (Stack ID AS 7.1 and 7.2)~~

~~This unit has a maximum design rate of 13.5 million Btu/hr heat input and is natural gas fired only. The unit is used to stress-relieve rolled aluminum strip coils. There are no pollution control equipment associated with this facility.~~

(2) Annealing Furnace #1 (AS-3)

One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #1, reconstructed in 1995, with a maximum rate of 3.42 tons of aluminum coil per hour and a maximum heat input capacity of 9.0 MMBtu/hr, using a fume filtration system (FFS-AN1) to control visible emissions, and exhausting to stacks AS-3.1, AS-3.2, and AS-3.3.

(3) Annealing Furnace #2 (AS-4)

One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #2, installed in 1988, with a maximum rate of 3.42 tons of aluminum coil per hour and a maximum heat input capacity of 16.0 MMBtu/hr, using a fume filtration system (FFS-AN2) to control visible emissions, and exhausting to stacks AS-4.1, AS-4.2, AS-4.3, AS-4.4, and AS-4.5.

- (4) **Annealing Furnace #3 (AS-5)**
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #3, installed in 1989, with a maximum rate of 3.42 tons of aluminum coil per hour and a maximum heat input capacity of 16.0 MMBtu/hr, using a fume filtration system (FFS-AN3) to control visible emissions, and exhausting to stacks AS-5.1, AS-5.2, AS-5.3, and AS-5.4.
- (5) **Annealing Furnace #4 (AS-6)**
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #4, installed in 1999, with a maximum rate of 4.11 tons of aluminum coil per hour and a maximum heat input capacity of 13.5 MMBtu/hr, using a fume filtration system (FFS-AN4) to control visible emissions, and exhausting to stacks AS-6.1 and AS-6.2.
- (6) **Annealing Furnace #5 (AS-7)**
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #5, installed in 1999, with a maximum rate of 4.11 tons of aluminum coil per hour and a maximum heat input capacity of 13.5 MMBtu/hr, using a fume filtration system (FFS-AN5) to control visible emissions, and exhausting to stacks AS-7.1 and AS-7.2.
- (7) **Annealing Furnace #6 (AS-8)**
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #6, approved for construction in 2007, with a maximum rate of 8.22 tons of aluminum coil per hour and a maximum heat input capacity of 20.0 MMBtu/hr, using a fume filtration system (FFS-AN6) to control visible emissions, and exhausting to stacks S-21 and S-21A.

The remaining units in Section A.2 were re-numbered due to the addition of the new furnace.

Sections A.3 and A.4 have been updated and A.5 has been removed.

~~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 does not include any insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21).~~

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

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

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million BTU per hour.
- (b) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.
- (c) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (d) Refractory storage not requiring air pollution control equipment.
- (e) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.

- (f) **Rolling oil recovery systems.**
- (g) **Forced and induced draft cooling tower system not regulated under a NESHAP.**
- (h) **Heat exchanger cleaning and repair.**
- (i) **Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.**
- (j) **Filter or coalescer media changeout.**

~~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 it is a major source, as defined in 326 IAC 2-7-1(22).~~

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).**

~~A.5 Prior Permit Conditions Superseded [326 IAC 2]~~

~~The terms and conditions of this permit incorporate all the current applicable requirements for all emission units located at this source, and supersede all terms and conditions in all registrations and permits, including construction permits, issued prior to the date of issuance of this permit. All terms and conditions in such registrations and permits are no longer in effect.~~

Sections B and C have been updated as follows:

~~SECTION B~~ ~~GENERAL CONDITIONS~~

~~B.1 Permit No Defense [326 IAC 2-1-10] [IC 13]~~

- ~~(a) Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7.~~
- ~~(b) This prohibition shall not apply to alleged violations of applicable requirements for which the Commissioner has granted a permit shield in accordance with 326 IAC 2-1-3.2 or 326 IAC 2-7-15.~~

~~B.2 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, any applicable definitions found in IC 13-11, 326 IAC 1-2 and 326 IAC 2-7 shall prevail.~~

~~B.3 Permit Term [326 IAC 2-7-5(2)]~~

~~This permit is issued for a fixed term of five (5) years from the effective date, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3.~~

~~B.4 Enforceability [326 IAC 2-7-7(a)]~~

- ~~(a) All terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM and HDEM.~~
- ~~(b) Unless otherwise stated, terms and conditions of this permit, including any provisions to limit the source's potential to emit, are enforceable by the United States Environmental Protection Agency (U.S. EPA) and citizens under the Clean Air Act.~~
- ~~(c) All terms and conditions in this permit that are local requirements, including any provisions designed to limit the source's potential to emit, are enforceable by the Hammond Department of Environmental Management.~~

~~B.5 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.6 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.7 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.8 Duty to Supplement and Provide Information [326 IAC 2-7-4(b)] [326 IAC 2-7-5(6)(E)]~~

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

~~Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue
Indianapolis, Indiana 46204~~

~~and~~

~~Hammond Department of Environmental Management
5925 Calumet Avenue
Hammond, Indiana 46320~~

- ~~(b) The Permittee shall furnish to IDEM, OAM and HDEM, within a reasonable time, any information that IDEM, OAM and HDEM, 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.~~
- ~~(c) Upon request, the Permittee shall also furnish to IDEM, OAM and HDEM copies of records required to be kept by this permit. For information claimed to be confidential, the Permittee shall furnish such records IDEM, OAM and HDEM along with a claim of confidentiality under 326 IAC 17. If requested by IDEM, OAM, or the U.S. EPA, the Permittee shall furnish such confidential records directly to the U.S. EPA along with a claim of confidentiality under 40 CFR 2, Subpart B.~~

~~B.9 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]~~

~~(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit constitutes a violation of the Clean Air Act and is grounds for:~~

~~(1) Enforcement action;~~

~~(2) Permit termination, revocation and reissuance, or modification; or for~~

~~(3) Denial of a permit renewal application.~~

~~(b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.~~

~~B.10 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)]~~

~~(a) Any application form, report, or compliance certification submitted under this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification, and any other certification required under this permit, 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, on the attached Certification Form, with each submittal.~~

~~(c) A responsible official is defined in 326 IAC 2-7-1(34).~~

~~B.11 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 certification 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 April 15 of each year to:~~

~~Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue
Indianapolis, Indiana 46204~~

~~and~~

~~Hammond Department of Environmental Management
5925 Calumet Avenue
Hammond, Indiana 46320~~

~~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—OAM and HDEM on or before the date it is due.~~

~~(c) The annual compliance certification report shall include the following:~~

- (1) ~~The 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 compliance 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 OAM and HDEM may require to determine the compliance status of the source.~~

~~B.12 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 (PMP) within ninety (90) days after issuance of this permit, including the following information on each:~~
 - (1) ~~Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission units and associated emission control devices;~~
 - (2) ~~A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions;~~
 - (3) ~~Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.~~
- (b) ~~The Permittee shall implement the Preventive Maintenance Plans as necessary to ensure that lack of proper maintenance does not cause or contribute to a violation of any limitation on emissions or potential to emit.~~
- (c) ~~PMP's shall be submitted to IDEM OAM and HDEM upon request and shall be subject to review and approval by IDEM OAM and HDEM.~~

~~B.13 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 non-compliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-7-16.~~
- (b) ~~An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:~~
 - (1) ~~An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;~~
 - (2) ~~The permitted facility was at the time being properly operated;~~
 - (3) ~~During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;~~
 - (4) ~~For each emergency lasting one (1) hour or more, the Permittee notified IDEM OAM and HDEM within four (4) daytime business hours after the beginning of the emergency, or after the~~

~~emergency was discovered or reasonably should have been discovered;~~

~~IDEM~~

~~Telephone Number: 1-800-451-6027 (ask for Office of Air Management, Compliance Section);
or~~

~~Telephone Number: 317-233-5674 (ask for Compliance Section) —
Facsimile Number: 317-233-5967~~

~~HDEM~~

~~Telephone Number: 219-853-6306
Facsimile Number: 219-853-6343~~

- ~~(5) — For each emergency lasting one (1) hour or more, the Permittee submitted notice, either in writing or facsimile, of the emergency to:~~

~~Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue
Indianapolis, Indiana 46204~~

~~and~~

~~Hammond Department of Environmental Management
5925 Calumet Avenue
Hammond, Indiana 46320~~

~~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(33).~~

- ~~(6) — The Permittee immediately took all reasonable steps to correct the emergency.~~

- ~~(e) — 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) for sources subject to this rule after the effective date of this rule. This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.~~
- ~~(e) — IDEM OAM and HDEM may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(e)(9) be revised in response to an emergency.~~
- ~~(f) — Failure to notify IDEM OAM and HDEM by telephone or facsimile of an emergency lasting more than one (1) hour in compliance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.~~

- ~~(g) Operations may continue during an emergency only if the following conditions are met:~~
- ~~(1) If the emergency situation causes a deviation from a technology based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.~~
 - ~~(2) If an emergency situation causes a deviation from a health based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - ~~(A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and~~
 - ~~(B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value.~~~~

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

~~B.14 Permit Shield [326 IAC 2-7-15]~~

- ~~(a) Compliance with the conditions of this permit shall be deemed in compliance with any applicable requirements as of the date of permit issuance, provided either of the following:
 - ~~(1) The applicable requirements are included and specifically identified in this permit;~~
 - ~~(2) IDEM – OAM and HDEM, in acting on the Part 70 permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the Part 70 permit includes the determination or a concise summary thereof.~~~~
- ~~(b) 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.~~
- ~~(c) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement, IDEM – OAM and HDEM 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.~~
- ~~(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(e)(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, OAM and HDEM has issued the modifications. [326 IAC 2-7-12(e)(7)]~~

~~(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAM or HDEM has issued the modification. [326 IAC 2-7-12(b)(8)]~~

~~B.15 Multiple Exceedances [326 IAC 2-7-5(1)(E)]~~

~~Any exceedance of a permit limitation or condition contained in this permit, which occurs contemporaneously with an exceedance of an associated surrogate or operating parameter established to detect or assure compliance with that limit or condition, both arising out of the same act or occurrence, shall constitute a single potential violation of this permit.~~

~~B.16 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 Branch, Office of Air Management
100 North Senate Avenue
Indianapolis, Indiana 46204~~

~~and~~

~~Hammond Department of Environmental Management
5925 Calumet Avenue
Hammond, Indiana 46320~~

~~within ten (10) calendar days from the date of the discovery of the deviation.~~

~~(b) Written notification shall be submitted on the attached Emergency/Deviation Occurrence Reporting Form or its substantial equivalent.~~

~~(c) Proper notice submittal under 326 IAC 2-7-16 satisfies the requirement of this subsection.~~

~~B.17 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)]~~

~~(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAM or HDEM 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)]~~

~~(e) Proceedings by IDEM, OAM, or HDEM 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, OAM, or HDEM at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAM and HDEM may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]~~

~~B.18 Permit Renewal [326 IAC 2-7-4]~~

~~(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAM and HDEM, 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).~~

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

~~Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue
Indianapolis, Indiana 46204~~

~~and~~

~~Hammond Department of Environmental Management
5925 Calumet Avenue
Hammond, Indiana 46320~~

~~(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, OAM and HDEM on or before the date it is due. [326 IAC 2-5-3]~~

~~(2) If IDEM, OAM or HDEM, 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.~~

~~(e) 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, OAM and HDEM, 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, OAM and HDEM,~~

~~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 OAM and HDEM fail 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.19 Administrative Permit Amendment [326 IAC 2-7-11]~~

~~(a) An administrative permit amendment is a Part 70 permit revision that makes changes of the type specified under 326 IAC 2-7-11(a).~~

~~(b) An administrative permit amendment may be made by IDEM OAM or HDEM, consistent with the procedures specified under 326 IAC 2-7-11(e).~~

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

~~B.20 Minor Permit Modification [326 IAC 2-7-12]~~

~~(a) A permit modification is any revision to this permit that cannot be accomplished as an administrative permit amendment under 326 IAC 2-7-11.~~

~~(b) Minor modification to this permit shall follow the procedures specified under 326 IAC 2-7-12(b), except as provided by 326 IAC 2-7-12(c).~~

~~(c) An application requesting the use of minor modification procedures shall meet the requirements of 326 IAC 2-7-12(b) and shall include the information required in 326 IAC 2-7-12(b)(3)(A) through (E).~~

~~(d) The Permittee may make the change proposed in its minor permit modification application immediately after it files such application provided that the change has received any approval required by 326 IAC 2-1. After the Permittee makes the change allowed under minor permit modification procedures, and until IDEM OAM and HDEM takes any of the actions specified in 326 IAC 2-7-12(b)(6)(A) through (C), the Permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this period, the Permittee need not comply with the existing permit terms and conditions it seeks to modify. If the Permittee fails to comply with its proposed permit terms and conditions during this time period, the existing permit terms and conditions it seeks to modify may be enforced against it. [326 IAC 2-7-12(b)(7)]~~

~~B.21 Significant Permit Modification [326 IAC 2-7-12(d)]~~

~~(a) Significant modification procedures shall be used for applications requesting permit modifications that do not qualify as minor permit modifications or as administrative amendments.~~

~~(b) Every significant change in existing monitoring permit terms or conditions and every relaxation of reporting or record-keeping permit terms or conditions of this permit shall be considered significant.~~

~~(c) Nothing in 326 IAC 2-7-12(d) shall be construed to preclude the Permittee from making changes consistent with 326 IAC 2-7 that would render existing permit compliance terms and conditions irrelevant.~~

~~(d) Significant modifications of this permit shall meet all requirements of 326 IAC 2-7, including those for application, public participation, review by affected states, review by the U.S. EPA, and availability of the permit shield, as they apply to permit issuance and renewal.~~

~~B.22 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)(D)(i) 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.23 — Changes Under Section 502(b)(10) of the Clean Air Act {326 IAC 2-7-20(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) and the following additional conditions:~~

- ~~(a) — For each such change, the required written notification shall include a brief description of the change within the source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.~~
- ~~(b) — The permit shield, described in 326 IAC 2-7-15, shall not apply to any change made under 326 IAC 2-7-20(b).~~

~~B.24 — Operational Flexibility {326 IAC 2-7-20}~~

~~(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 approval required by 326 IAC 2-1 has been obtained;~~
- ~~(3) — The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);~~
- ~~(4) — The Permittee notifies the:~~

~~Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue
Indianapolis, Indiana 46204~~

~~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~~

~~and~~

~~Hammond Department of Environmental Management
5925 Calumet Avenue
Hammond, Indiana 46320~~

~~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, to public review.~~

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

- (b) ~~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 by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

- (e) ~~Emission Trades [326 IAC 2-7-20(e)]
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 OAM, HDEM 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.25 Construction Permit Requirement [326 IAC 2]~~

~~Except as allowed by Indiana P.L. 130-1996 Section 12, as amended by P.L. 244-1997, modification, construction, or reconstruction shall be approved as required by and in accordance with 326 IAC 2.~~

~~B.26 Inspection and Entry [326 IAC 2-7-6(2)]~~

~~Upon presentation of IDEM or HDEM identification cards, credentials, and other documents as may be required by law, the Permittee shall allow IDEM OAM, HDEM, 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) ~~Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;~~

- (e) ~~Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;~~
- (d) ~~Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and~~
- (e) ~~Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements. [326 IAC 2-7-6(6)]~~

~~B.27 Transfer of Ownership or Operation [326 IAC 2-1-6] [326 IAC 2-7-11]~~

~~Pursuant to 326 IAC 2-1-6 and 326 IAC 2-7-11:~~

- (a) ~~In the event that ownership of this source is changed, the Permittee shall notify IDEM – OAM, Permits Branch and HDEM, within thirty (30) days of the change. Notification shall include a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the Permittee and the new owner.~~
- (b) ~~The written notification shall be sufficient to transfer the permit to the new owner by an administrative amendment pursuant to 326 IAC 2-7-11.~~
- (e) ~~IDEM – OAM and HDEM shall reserve the right to issue a new permit.~~

~~B.28 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)]~~

- (a) ~~The Permittee shall pay annual fees to IDEM – OAM and HDEM within thirty (30) calendar days of receipt of a billing, or in a time period consistent with the fee schedule established in 326 IAC 2-7-19.~~
- (b) ~~Failure to pay may result in administrative enforcement action, or revocation of this permit.~~
- (e) ~~If the Permittee does not receive a bill from IDEM – OAM, thirty (30) calendar days before the due date, the Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-0425 (ask for OAM, Technical Support and Modeling Section), to determine the appropriate permit fee. The applicable fee is due April 1 of each year.~~

~~B.29 Enhanced New Source Review [326 IAC 2]~~

~~The requirements of the construction permit rules in 326 IAC 2 are satisfied by this permit for the modification to Aluminum Reverberatory Furnace No. 6 as listed in section A.2.~~

~~SECTION C SOURCE OPERATION CONDITIONS~~

Entire Source

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

C.1 Major Source

~~Pursuant to 326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 2-3 (Emission Offset), this source is a major source.~~

C.2 Opacity [326 IAC 5-1]

~~Pursuant to 326 IAC 5-1-2 (Visible Emissions Limitations), except as provided in 326 IAC 5-1-3 (Temporary~~

~~Exemptions), visible emissions shall meet the following, unless otherwise stated in this permit:~~

- ~~(a) Visible emissions shall not exceed an average of twenty percent (20%) opacity in twenty-four (24) consecutive readings, as determined in 326 IAC 5-1-4.~~
- ~~(b) Visible emissions shall not exceed sixty percent (60%) opacity for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) 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.~~

~~C.5 Fugitive Dust Emissions [326 IAC 6-1-11.1]~~

~~The Permittee shall be in violation of 326 IAC 6-1-11.1 (Lake County Fugitive Particulate Matter Control Requirements), if the opacity of fugitive particulate emissions exceeds ten percent (10%). Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 9.~~

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

~~All air pollution control equipment listed in this permit shall be operated at all times that the emission unit vented to the control equipment is in operation, as described in Section D of this permit.~~

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

~~(a) The Permittee shall comply with the 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.~~

~~(b) Any change in an applicable stack shall require prior approval from IDEM OAM.~~

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

~~Prior to the commencement of any demolition or renovation activities, the Permittee shall use an Indiana accredited asbestos inspector to inspect thoroughly the affected facility or part of the facility where the demolition or renovation operation will occur for the presence of asbestos, including Category I and Category II nonfriable asbestos-containing material. The requirement that the inspector be accredited is federally enforceable.~~

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

~~C.9 Performance Testing [326 IAC 3-2.1]~~

~~(a) All testing shall be performed according to the provisions of 326 IAC 3-2.1 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing methods approved by IDEM OAM.~~

~~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 Management
_____ 100 North Senate Avenue
_____ Indianapolis, Indiana 46204

_____ and

_____ Hammond Department of Environmental Management
_____ 5925 Calumet Avenue
_____ Hammond, Indiana 46320

_____ no later than thirty five (35) days before the intended test date.

(b) _____ All test reports must be received by IDEM OAM and HDEM within forty five (45) days after the completion of the testing. An extension may be granted by the Commissioner, if the source submits to IDEM OAM and HDEM, a reasonable written explanation within five (5) days prior to the end of the initial forty five (45) day period.

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)]~~

~~Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment, no more than ninety (90) days after receipt of this permit. If due to circumstances beyond its control, this schedule cannot be met, the Permittee shall notify:~~

_____ Indiana Department of Environmental Management
_____ Compliance Branch, Office of Air Management
_____ 100 North Senate Avenue
_____ Indianapolis, Indiana 46204

_____ and

_____ Hammond Department of Environmental Management
_____ 5925 Calumet Avenue
_____ Hammond, Indiana 46320

~~in writing, no more than ninety (90) days after receipt of this permit, with full justification of the reasons for the inability to meet this date and a schedule which it expects to meet. If a denial of the request is not received before the monitoring is fully implemented, the schedule shall be deemed approved.~~

~~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).~~

C.11 ~~Maintenance of Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]~~

(a) _____ In the event that a breakdown of the monitoring equipment occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem. To the extent practicable, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less frequent than required in Section D of this permit until such time as the monitoring equipment is back in operation. In the case of continuous monitoring, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less than one (1) hour until such time as the continuous monitor is back in operation.

~~(b) The Permittee shall install, calibrate, quality assure, maintain, and operate all necessary monitors and related equipment. In addition, prompt corrective action shall be initiated whenever indicated.~~

~~C.12 Monitoring Methods [326 IAC 3]~~

~~Any monitoring or testing performed to meet the requirements of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, or other approved methods as specified in this permit.~~

~~C.13 Pressure Gauge Specifications~~

~~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 (2%) of full scale reading.~~

~~C.14 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61.140]~~

~~(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.~~

~~(e) 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 Management
100 North Senate Avenue
Indianapolis, Indiana 46204~~

~~and to:~~

~~Hammond Department of Environmental Management
5925 Calumet Avenue
Hammond, Indiana 46320~~

~~(e) Procedures for Asbestos Emission Control~~

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

~~(f) Indiana Accredited Asbestos Inspector~~

~~The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited is federally enforceable.~~

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

~~C.15 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 prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on February 21, 1991.~~

~~(b) If the ERP is disapproved by IDEM OAM and HDEM, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP. If after this time, the Permittee does not submit an approvable ERP then IDEM OAM and HDEM shall supply such a plan.~~

~~(c) 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.~~

~~(d) 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.~~

~~(e) Upon direct notification by IDEM OAM and HDEM 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]~~

~~(f) Upon direct notification by IDEM OAM or HDEM, 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.16 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]~~

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

~~(a) Submit:~~

~~(1) A compliance schedule for meeting the requirements of 40 CFR 68 by the date provided in 40 CFR 68.10(a); or~~

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

~~(3) A verification to IDEM, OAM and HDEM that a RMP or a revised plan was prepared and submitted as required by 40 CFR 68.~~

~~(b) Provide annual certification to IDEM, OAM and HDEM that the Risk Management Plan is being properly implemented.~~

~~C.17 Compliance Monitoring Plan - Failure to Take Response Steps [326 IAC 2-7-5(3)]~~

~~(a) The Permittee is required to implement a compliance monitoring plan to ensure that reasonable information is available to evaluate its continuous compliance with applicable requirements. This compliance monitoring plan is comprised of:~~

~~(1) This condition;~~

~~(2) The Compliance Determination Requirements in Section D of this permit;~~

~~(3) The Compliance Monitoring Requirements in Section D of this permit;~~

~~(4) The Record Keeping and Reporting Requirements in Section C (Monitoring Data Availability, General Record Keeping Requirements, and General Reporting Requirements) and in Section D of this permit; and~~

~~(5) A Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. CRP's shall be submitted to IDEM, OAM and HDEM upon request and shall be subject to review and approval by IDEM, OAM and HDEM. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee and maintained on site, and is comprised of:~~

~~(A) Response steps that will be implemented in the event that compliance related information indicates that a response step is needed pursuant to the requirements of Section D of this permit; and~~

~~(B) A time schedule for taking such response steps including a schedule for devising additional response steps for situations that may not have been predicted.~~

~~(b) For each compliance monitoring condition of this permit, appropriate response steps shall be taken when indicated by the provisions of that compliance monitoring condition. Failure to perform the actions detailed in the compliance monitoring conditions or failure to take the response steps within the time prescribed in the Compliance Response Plan, shall constitute a violation of the permit unless taking the response steps set forth in the Compliance Response Plan would be unreasonable.~~

~~(c) After investigating the reason for the excursion, the Permittee is excused from taking further response steps for any of the following reasons:~~

~~(1) The monitoring equipment malfunctioned, giving a false reading. This shall be an excuse from taking further response steps providing that prompt action was taken to correct the monitoring equipment.~~

~~(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied or;~~

~~(3) An automatic measurement was taken when the process was not operating; or~~

~~(4) The process has already returned to operating within "normal" parameters and no response steps are required.~~

~~(d) Records shall be kept of all instances in which the compliance related information was not met and of all response steps 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.~~

~~C.18 Actions Related to Noncompliance Demonstrated by a Stack Test~~

~~(a) When the results of a stack test performed in conformance with Section C – Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate corrective actions. The Permittee shall submit a description of these corrective actions to IDEM – OAM and HDEM within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. IDEM – OAM shall notify the Permittee within thirty (30) days, if the corrective actions taken are deficient. The Permittee shall submit a description of additional corrective actions taken to IDEM – OAM and HDEM within thirty (30) days of receipt of the notice of deficiency. IDEM – OAM and HDEM reserve the authority to use enforcement activities to resolve noncompliant stack tests.~~

~~(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 – OAM and HDEM that retesting in one hundred and twenty (120) days is not practicable, IDEM – OAM and HDEM may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate permit conditions may be grounds for immediate revocation of the permit to operate the affected facility.~~

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

~~C.19 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 a certified, annual emission statement that must be received by April 15 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 actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);~~
- ~~(2) Indicate actual emissions of other regulated pollutants from the source, for purposes of Part 70 fee assessment.~~

~~(b) The annual emission statement covers the twelve (12) consecutive month time period starting December 1 and ending November 30. The annual emission statement must be submitted to:~~

~~_____ Indiana Department of Environmental Management
_____ Technical Support and Modeling Section, Office of Air Management
_____ 100 North Senate Avenue
_____ Indianapolis, Indiana 46204~~

~~_____ and~~

~~_____ Hammond Department of Environmental Management
_____ 5925 Calumet Avenue
_____ Hammond, Indiana 46320~~

~~(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 – OAM and HDEM on or before the date it is due.~~

~~C.20 Monitoring Data Availability [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)]~~

- ~~_____ (a) With the exception of performance tests conducted in accordance with Section C—Performance Testing, all observations, sampling, maintenance procedures, and record keeping, required as a condition of this permit shall be performed at all times the equipment is operating at normal representative conditions.~~
- ~~_____ (b) As an alternative to the observations, sampling, maintenance procedures, and record keeping of subsection (a) above, when the equipment listed in Section D of this permit is not operating, the Permittee shall either record the fact that the equipment is shut down or perform the observations, sampling, maintenance procedures, and record keeping that would otherwise be required by this permit.~~
- ~~_____ (c) If the equipment is operating but abnormal conditions prevail, additional observations and sampling should be taken with a record made of the nature of the abnormality.~~
- ~~_____ (d) If for reasons beyond its control, the operator fails to make required observations, sampling, maintenance procedures, or record keeping, reasons for this must be recorded.~~
- ~~_____ (e) At its discretion, IDEM—OAM and HDEM may excuse such failure providing adequate justification is documented and such failures do not exceed five percent (5%) of the operating time in any quarter.~~
- ~~_____ (f) Temporary, unscheduled unavailability of staff qualified to perform the required observations, sampling, maintenance procedures, or record keeping shall be considered a valid reason for failure to perform the requirements stated in (a) above.~~

~~C.21 General Record Keeping Requirements [326 IAC 2-7-5(3)(B)]~~

- ~~_____ (a) Records of all required monitoring data and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location and available within four (4) hours upon verbal request of an IDEM—OAM or HDEM representative, for a minimum of three (3) years. They may be stored elsewhere for the remaining two (2) years providing they are made available within thirty (30) days after written request.~~
- ~~_____ (b) Records of required monitoring information shall include, where applicable:
 - ~~_____ (1) The date, place, and time of sampling or measurements;~~
 - ~~_____ (2) The dates analyses were performed;~~
 - ~~_____ (3) The company or entity performing the analyses;~~
 - ~~_____ (4) The analytical techniques or methods used;~~
 - ~~_____ (5) The results of such analyses; and~~
 - ~~_____ (6) The operating conditions existing at the time of sampling or measurement.~~~~
- ~~_____ (c) Support information shall include, where applicable:
 - ~~_____ (1) Copies of all reports required by this permit;~~
 - ~~_____ (2) All original strip chart recordings for continuous monitoring instrumentation;~~
 - ~~_____ (3) All calibration and maintenance records;~~
 - ~~_____ (4) Records of preventive maintenance shall be sufficient to demonstrate that improper maintenance did not cause or contribute to a violation of any limitation on emissions or potential to emit. To be~~~~

relied upon subsequent to any such violation, these records may include, but are not limited to: work orders, parts inventories, and operator's standard operating procedures. Records of response steps taken shall indicate whether the response steps were performed in accordance with the Compliance Response Plan required by Section C—Compliance Monitoring Plan—Failure to take Response Steps, of this permit, and whether a deviation from a permit condition was reported. All records shall briefly describe what maintenance and response steps were taken and indicate who performed the tasks.

~~(d) All record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.~~

~~C.22 General Reporting Requirements [326 IAC 2-7-5(3)(C)]~~

~~(a) To affirm that the source has met all the requirements stated in this permit the source shall submit a Quarterly Compliance Report. Any deviation from the requirements and the date(s) of each deviation must be reported.~~

~~(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 Management
100 North Senate Avenue
Indianapolis, Indiana 46204~~

~~and to:~~

~~Hammond Department of Environmental Management
5925 Calumet Avenue
Hammond, Indiana 46320~~

~~(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—OAM and HDEM on or before the date it is due.~~

~~(d) Unless otherwise specified in this permit, any report required shall be submitted within thirty (30) days of the end of the reporting period.~~

~~(e) All instances of deviations must be clearly identified in such reports. A reportable deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit or a rule. It does not include:~~

~~(1) An excursion from compliance monitoring parameters as identified in Section D of this permit unless tied to an applicable rule or limit; or~~

~~(2) An emergency as defined in 326 IAC 2-7-1(12); or~~

~~(3) Failure to implement elements of the Preventive Maintenance Plan unless lack of maintenance has caused or contributed to a deviation.~~

~~(4) Failure to make or record information required by the compliance monitoring provisions of Section D unless such failure exceeds 5% of the required data in any calendar quarter.~~

~~A Permittee's failure to take the appropriate response step when an excursion of a compliance monitoring~~

~~parameter has occurred or failure to monitor or record the required compliance monitoring is a deviation.~~

- ~~(f) Any corrective actions or response steps taken as a result of each deviation must be clearly identified in such reports.~~
- ~~(g) 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.~~

Stratospheric Ozone Protection

C.23 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, T089-15690-00201, 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 and HDEM, upon receiving a timely and complete renewal application, fail 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 1 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]

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

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 or HDEM within a reasonable time, any information that IDEM, OAQ or HDEM 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 or HDEM 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. One (1) certification may cover multiple forms in one (1) submittal.
- (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. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than April 15th of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue

Indianapolis, Indiana 46204-2251

and

**Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320**

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 and HDEM 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 and HDEM 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 maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) A copy of the PMPs shall be submitted to IDEM, OAQ or HDEM upon request and within a reasonable time, and shall be subject to review and approval by IDEM,

OAQ and HDEM. IDEM, OAQ or HDEM 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 and HDEM within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

(IDEM)

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

(HDEM)

Telephone Number: 219-853-6306
Facsimile Number: 219-853-6343

- (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
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management

**5925 Calumet Avenue, Room 304
Hammond, Indiana 46320**

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 and HDEM 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 and HDEM 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 and HDEM 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 or HDEM 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 or HDEM 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 T089-15690-00201 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
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320

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 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 or HDEM 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 or HDEM 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 or HDEM at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ or HDEM 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 HDEM 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
Indianapolis, Indiana 46204-2251**

and

**Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320**

- (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 and HDEM 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 and HDEM take final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ and HDEM 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]

- (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
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320

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

Indianapolis, Indiana 46204-2251

and

**Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320**

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] [326 IAC 2-2-2] [326 IAC 2-3-2]

- (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 2-2-2 or 326 IAC 2-3-2.**

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, HDEM, 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
Indianapolis, Indiana 46204-2251**

and

**Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320**

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 and HDEM 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 or HDEM 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

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

C.1 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 twenty percent (20%) 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.2 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.3 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.4 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.5 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 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

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

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

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

C.7 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
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320

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 and HDEM not later than forty-five (45) days after the completion of the testing. An

extension may be granted by IDEM, OAQ and HDEM if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.8 Compliance Requirements [326 IAC 2-1.1-11]

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

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

C.9 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
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320

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.10 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.11 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.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on June 18, 2003.
- (b) Upon direct notification by IDEM, OAQ or HDEM that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.13 Risk Management Plan [326 IAC 2-7-5(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.14 Response to Excursions and 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;
 - (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.15 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.16 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) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year 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
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320

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 and HDEM on or before the date it is due.**

C.17 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 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 or HDEM makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or HDEM 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 reasonable possibility that a “project” (as defined in 326 IAC 2-2-1(qq) or 326 IAC 2-3-1(II)) at an existing emission unit, other than projects at a Clean Unit or at a source with Plant-wide Applicability Limitation (PAL), which is not part of a “major modification” (as defined in 326 IAC 2-2-1(ee) or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(rr) or 326 IAC 2-3-1(mm)), the Permittee shall comply with the following:**
- (1) **Before beginning actual construction of the “project” (as defined in 326 IAC 2-2-1 (qq) 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) or 326 IAC 2-3-1(mm)(2)(A)(3); 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.18 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 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
Indianapolis, Indiana 46204-2251
- and
- Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ and HDEM 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) 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) 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 and HDEM:
- (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) 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) 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
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management
5925 Calumet Avenue, Room 304
Hammond, Indiana 46320

- (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 or HDEM. The general public may request this information from the IDEM, OAQ or HDEM under 326 IAC 17.1.

Stratospheric Ozone Protection

C.19 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.

Proposed Changes to Section D.2

As stated on page 4 of this document, the fume filtration systems were added to the existing annealing furnaces as part of this modification and in accordance with the HDEM Agreed Order 030105. Therefore, the unit descriptions for the five (5) existing annealing furnaces were modified to include the fume filtration systems. Also, Annealing Furnace #6 was added as follows:

Five (5) Annealing Furnaces No. 1, 2, 3, 4, and 5: **Six (6) Annealing Furnaces:**

(2) ~~_____~~ Annealing Furnace No. 1 (AS-3) (Stack ID AS-3.1 and 3.2)
~~_____~~ This unit has a maximum design rate of 9 million Btu/hr heat input and is natural gas fired only. The unit is used to stress-relieve rolled aluminum strip coils. There are no pollution control equipment associated with this facility.

(3) ~~_____~~ Annealing Furnace No. 2 (AS-4) (Stack ID AS-4.1, 4.2, 4.3 and 4.4)
~~_____~~ This unit has a maximum design rate of 16 million Btu/hr heat input and is natural gas fired only. The unit is used to stress-relieve rolled aluminum strip coils. There are no pollution control equipment associated with this facility.

(4) ~~_____~~ Annealing Furnace No. 3 (AS-5) (Stack ID AS-5.1, 5.2, 5.3, and 5.4)
~~_____~~ This unit has a maximum design rate of 16 million Btu/hr heat input and is natural gas fired only. The unit is used to stress-relieve rolled aluminum strip coils. There are no pollution control equipment associated with this facility.

(5) ~~_____~~ Annealing Furnace No. 4 (AS-5) (Stack ID AS-6.1 and 6.2)
~~_____~~ This unit has a maximum design rate of 13.5 million Btu/hr heat input and is natural gas fired only. The unit is used to stress-relieve rolled aluminum strip coils. There are no pollution control equipment associated with this facility.

(6) ~~_____~~ Annealing Furnace No. 5 (AS-7) (Stack ID AS-7.1 and 7.2)
~~_____~~ This unit has a maximum design rate of 13.5 million Btu/hr heat input and is natural gas fired only. The unit is used to stress-relieve rolled aluminum strip coils. There are no pollution control equipment associated with this facility.

(2) **Annealing Furnace #1 (AS-3)**
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #1, reconstructed in 1995, with a maximum rate of 3.42 tons of aluminum coil per hour and a maximum heat input capacity of 9.0 MMBtu/hr, using a fume filtration system (FFS-AN1) to control visible emissions, and exhausting to stacks AS-3.1, AS-3.2, and AS-3.3.

(3) **Annealing Furnace #2 (AS-4)**
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #2, installed in 1988, with a maximum rate of 3.42 tons of aluminum coil per hour and a maximum heat input capacity of 16.0 MMBtu/hr, using a fume filtration system (FFS-AN2) to control visible emissions, and exhausting to stacks AS-4.1, AS-4.2, AS-4.3, AS-4.4, and AS-4.5.

(4) **Annealing Furnace #3 (AS-5)**
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #3, installed in 1989, with a maximum rate of 3.42 tons of aluminum coil per hour and a maximum heat input capacity of 16.0 MMBtu/hr, using a fume filtration system (FFS-AN3) to control visible emissions, and exhausting to stacks AS-5.1, AS-5.2, AS-5.3, and AS-5.4.

(5) **Annealing Furnace #4 (AS-6)**
One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #4, installed in 1999, with a maximum rate of 4.11 tons of aluminum coil per hour and a maximum heat input capacity of 13.5 MMBtu/hr, using a fume filtration system (FFS-AN4) to control visible emissions, and exhausting to stacks AS-6.1 and AS-6.2.

- (6) **Annealing Furnace #5 (AS-7)**
 One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #5, installed in 1999, with a maximum rate of 4.11 tons of aluminum coil per hour and a maximum heat input capacity of 13.5 MMBtu/hr, using a fume filtration system (FFS-AN5) to control visible emissions, and exhausting to stacks AS-7.1 and AS-7.2.
- (7) **Annealing Furnace #6 (AS-8)**
 One (1) natural gas-fired annealing furnace, identified as Annealing Furnace #6, approved for construction in 2007, with a maximum rate of 8.22 tons of aluminum coil per hour and a maximum heat input capacity of 20.0 MMBtu/hr, using a fume filtration system (FFS-AN6) to control visible emissions, and exhausting to stacks S-21 and S-21A.

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

The PM10 Emissions Limit table in Condition D.2.1 was corrected as follows to accurately reflect the limitations as they are written in the rule (326 IAC 6.8-6-1). A second table was added to include the new emissions limitations for Annealing Furnaces #4, #5, and #6.

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

D.2.1 Particulate Matter less than 10 microns in diameter (PM10) [326 IAC 6.8]

- (a) Pursuant to **326 IAC 6.8-6-1 (Lake County; Combustion Sources; Natural Gas)**, formerly 326 IAC 6-1-10.1(Lake County PM10 Emission Requirements), subsection (h), ~~these combustion sources~~ **the following units** shall fire natural gas only and emissions of particulate matter less than ten microns in diameter (PM10) from these facilities shall be limited as follows:

Unit ID:	PM10 Emissions Limit	
	(lbs/MMBtu)	(lbs/hr)
Annealing Furnace No. 1	0.003	0.040
Annealing Furnace No. 2	0.003	0.048
Annealing Furnace No. 3	0.003	0.048
Annealing Furnace No. 4	0.003	0.044
Annealing Furnace No. 5	0.003	0.044

Unit ID:	PM10 Emissions Limit	
	(lbs/MMBtu)	(lbs/hr)
Number 2 annealer	0.003	0.048
Number 3 annealer	0.003	0.048
Annealing furnace #1	0.003	0.040

- (b) Pursuant to 326 IAC 6.8-1-2, particulate matter emissions from the following units shall not exceed three-hundredths (0.03) grain per dry standard cubic foot (dscf).

Unit ID:	PM10 Emissions Limit	
	(gr/dscf)	(lbs/hr)
Annealing Furnace #4	0.03	0.389
Annealing Furnace #5	0.03	0.389
Annealing Furnace #6	0.03	0.691

D.2.2 Particulate Matter (PM) **[Hammond Ordinance 3522]**

Pursuant to the Hammond Air Quality Control Ordinance 3522 (as amended), the PM emissions limits for these facilities shall be set equal to the PM10 emissions limits.

Condition D.2.3 is added as follows because Condition B.10, Preventive Maintenance Plan, states that, if needed, the Preventive Maintenance Plan condition should be specifically stated in the D section. A preventive maintenance plan is needed for emission units with control devices.

D.2.3 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 for these facilities and their control equipment.

Compliance Determination Requirements

~~D.2.3~~ D.2.4 ~~Testing Requirements [326 IAC 2-7-6(1)]~~ **Operational Requirements [326 IAC 2-7-5(1)]** **[Hammond Ordinance 7102]**

~~Testing of this facility is not specifically required by this permit. However, this does not preclude testing requirements on this facility under 326 IAC 2-1-4(f) and 326 IAC 2-7-6(1).~~

Pursuant to Hammond Air Quality Control Ordinance 7102, the Permittee shall apply only the currently used rolling oils to the aluminum coils prior to annealing. Any new materials or changes that may affect the potential to emit (PTE) must be approved by the Office of Air Quality (OAQ).

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

~~D.2.4~~ D.2.5 Visible Emissions Notations

- (a) ~~Daily~~ Visible emission notations of each Annealing Furnace stack exhaust shall be performed **once per day** during normal daylight operations **when exhausting to the atmosphere**. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- ~~(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.~~
- (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.2.6 Parametric Monitoring [HDEM Agreed Order 030105]

Pursuant to HDEM Agreed Order 030105, the fume filtration systems for the abatement of opacity shall be monitored and operated in accordance with the manufacturer's specifications. The manufacturer's specifications shall be a part of the preventive maintenance plan and shall be available upon request.

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

~~D.2.5~~ **D.2.7** Record Keeping Requirements

- (a) To document compliance with Condition ~~D.2.4~~ **D.2.5**, the Permittee shall maintain records of **the** daily visible emission notations ~~of~~ **for** each Annealing Furnace stack exhaust.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

~~D.2.6~~ Reporting Requirements

~~There are no reporting requirements for this facility.~~

Section D.6 has been removed as follows:

~~**SECTION D.6 FACILITY CONDITIONS**~~

~~This section has been removed and intentionally left blank because it was an Enhanced New Source Review and Construction Approval for the reconstruction and modification of Aluminum Reverberatory Furnace No. 6. That construction was completed. The unit description, applicable limitations, and conditions for Aluminum Reverberatory Furnace No. 6, as modified, were previously included in Section D.3.~~

The following forms have been deleted because Jupiter uses their own recordkeeping forms.

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

~~**Baghouse Static Pressure Drop Record Keeping Form**~~

Source Name: ~~_____~~ Jupiter Aluminum Corporation
Source Address: ~~_____~~ 1745 165th Street, Hammond, Indiana 46320
Mailing Address: ~~_____~~ (same)
Part 70 Permit No.: ~~_____~~ T089-5838-00201
Required Range: ~~_____~~ 1 to 4 inches of water

~~_____~~ Month: ~~_____~~ Year: ~~_____~~

Day	Baghouse (BHS-6) ΔP (in H₂O)	Baghouse (BHS-5) ΔP (in H₂O)

1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
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**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION
 and
 HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**

Visible Emissions Notations Record Keeping Form - page 1 of 2

Source Name: _____ Jupiter Aluminum Corporation
 Source Address: _____ 1745 - 165th Street, Hammond, Indiana 46320
 Mailing Address: _____ (same)
 Part 70 Permit No.: _____ T089-5838-00201
 Notation: _____ Normal or Abnormal

Month: _____ **Year:** _____

Day	Annealing Furnace No. 1	Annealing Furnace No. 2	Annealing Furnace No. 3	Annealing Furnace No. 4	Annealing Furnace No. 5
	Stack AS-3	Stack AS-4	Stack AS-5	Stack AS-6	Stack AS-7

1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					

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

Visible Emissions Notations Record Keeping Form - page 2 of 2

Source Name: _____ Jupiter Aluminum Corporation
 Source Address: _____ 1745 - 165th Street, Hammond, Indiana 46320
 Mailing Address: _____ (same)
 Part 70 Permit No.: _____ T089-5838-00201
 Notation: _____ Normal or Abnormal

Month: _____ Year: _____

Day	Wheelabrator Baghouse	Carborundum Baghouse	Reverberatory Furnace No. 3	Reverberatory Furnace No. 4	Reverberatory Furnace No. 5
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Stack ID	BHS-6	BHS-5	MS-1B	MS-1C	MS-1D
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
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26					
27					
28					
29					
30					
31					

Conclusion and Recommendation

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Minor Source Modification No. **089-23712-00201** and Significant Permit Modification No. **089-23713-00201**. The staff recommends to the Commissioner that this Part 70 Minor Source Modification and Significant Permit Modification be approved.

