INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Mitchell E. Daniels, Jr.
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Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
MC 61-53
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant

DATE: February 6, 2008

RE: Chrysler LLC - Kokomo Casting Plant / 067-25480-00065

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

Notice of Decision: Approval - Effective Immediately

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

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

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

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

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

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

Enclosures
FNPER.dot12/03/07

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Mr. Mark Werthman
Chrysler LLC - Kokomo Casting Plant
1001 East Boulevard,
Kokomo, IN 46904

February 6, 2008

Re: 067-25480-00065
Significant Source Modification to:
Part 70 Permit Renewal No.: T067-5246-00065

Dear Mr. Werthman:

Chrysler LLC - Kokomo Casting Plant was issued Part 70 operating permit T067-5246-00065 on June 30, 2003, for an aluminum die cast facility, including melt furnaces, machinery, cleaning and heat treating equipment to produce transmissions for use in automobiles and light-duty trucks.
An application to modify the source was received on October 31, 2007. Pursuant to 326 IAC 2-7-10.5, the following emission units are approved for construction at the source:

(a) one (1) natural gas-fired aluminum stack melting furnace, identified as SM1 with a maximum melt/remelt capacity of four and four tenths (4.4) tons per hour, to be constructed in 2007, with a maximum heat input capacity of 10.93 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 1SM; and

(b) one (1) natural gas-fired aluminum stack melting furnace, identified as SM2 with a maximum melt/remelt capacity of four and four tenths (4.4) tons per hour, to be constructed in 2007, with a maximum heat input capacity of 10.93 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 3SM.

The following construction conditions are applicable to the proposed project:

General Construction Conditions

1. The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).

2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.

4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(i), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

6. Pursuant to 326 IAC 2-7-10.5(l) the emission units constructed under this approval shall not be placed into operation prior to revision of the source's Part 70 Operating Permit to incorporate the required operation conditions

This source may begin construction when the significant source modification has been issued. Operating conditions shall be incorporated into the Part 70 operating permit as significant permit modification in accordance with 326 IAC 2-7-12.

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 Josiah Balogun at the Indiana Department of Environmental Management, Office of Air Quality, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, IN 46204-2251, or by telephone at (317) 234-5257 or toll free at 1-800-451-6027 extension 4-5257.

Sincerely/Original Signed By:

Matt Stuckey, Deputy Branch Chief
Permits Branch
Office of Air Quality

Attachments:
JK
cc: File – Howard County
U.S. EPA, Region V
Howard County Health Department
Air Compliance Section Inspector
Compliance Data Section
Administrative and Development

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PART 70 Significant Source Modification
OFFICE OF AIR QUALITY

Chrysler LLC - Kokomo Casting Plant
1001 E. Boulevard
Kokomo, Indiana 46904

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

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Significant Source Modification No.: 067-25480-00065	
Original Signed By: Matthew W. Stuckey, Deputy Branch Chief Permits Branch Office of Air Quality	Issuance Date: February 6, 2008

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Emergency Occurrence Report
Natural Gas Fired Boiler Certification
Quarterly Reports
Quarterly Deviation and Compliance Monitoring Report

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1, A.3, and A.4 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 an aluminum die cast facility, including melt furnaces, machinery, cleaning and heat treating equipment to produce transmissions for use in automobiles and light-duty trucks.

Source Address:	Chrysler LLC, Kokomo Casting Plant 1001 East Boulevard, Kokomo, Indiana 46904
Source Address:	Chrysler LLC, Kokomo Transmission Plant 2401 South Reed Road, Kokomo, Indiana 46904
Mailing Address:	1001 East Boulevard, Kokomo, Indiana 46904
General Source Phone Number:	(765) 454-1526
SIC Code:	3363
County Location:	Howard
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major Source under PSD Rules; Minor Source, Section 112 of the Clean Air Act

A.2 Part 70 Source Definition [326 IAC 2-7-1(22)]

This source consists of two (2) plants:

(a) The Kokomo Transmission Plant (KTP) is located at 2401 S. Reed Road, Kokomo, IN 46904; and

(b) The Kokomo Casting Plant (KCP) is located at 1001 East Boulevard, Kokomo, IN 46904

Both plants have the same source identification number, which is 067-00065.

Since the two (2) plants are located on contiguous properties, KCP is acting as a support facility for KTP, and the two plants are under common control of the same entity, they will be considered one (1) source. The two plants have also been considered as one single major source in previous permit approvals.

Separate Part 70 permits are being issued to Chrysler LLC, Kokomo Transmission Plant and Chrysler LLC, Kokomo Casting Plant solely for administrative purposes. The Part 70 Permit No.: T067-6504-00065 for Chrysler Corporation LLC, Kokomo Transmission Plant was issued on September 1, 1999.

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

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

(a) one (1) natural gas-fired aluminum stack melting furnace, identified as SM1 with a maximum melt/remelt capacity of four and four tenths (4.4) tons per hour, to be

constructed in 2007, with a maximum heat input capacity of 10.93 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 1SM;

(b) one (1) natural gas-fired aluminum stack melting furnace, identified as SM2 with a maximum melt/remelt capacity of four and four tenths (4.4) tons per hour, to be constructed in 2007, with a maximum heat input capacity of 10.93 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 3SM;

(c) one (1) natural gas-fired aluminum reverberatory furnace, identified as 2RF with a maximum remelt capacity of thirty (30) tons per hour, constructed in 1984, with a maximum heat input capacity of 20 million British thermal units per hour, with emissions uncontrolled and exhausting to stacks 2RF and 2RCW;

(d) one (1) natural gas-fired aluminum reverberatory furnace, identified as 4RF, constructed in 1998, with a maximum remelt capacity of 6.5 tons of scrap metal per hour and a maximum heat input capacity of 20 million British thermal units per hour, with emissions uncontrolled and exhausting to stacks 4RF and 4RCW;

(e) one (1) natural gas-fired aluminum reverberatory furnace, identified as 5RF with a maximum remelt capacity of thirty (30) tons per hour, constructed in 1978, with a maximum heat input capacity of 18 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 5RF and 5RCW;

(f) one (1) natural gas-fired aluminum reverberatory furnace, identified as 6RF, with a maximum remelt capacity of thirty (30) tons per hour, constructed in 1983, with a maximum heat input capacity of 20 million British thermal units per hour, with emissions uncontrolled and exhausting to stacks 6RF and 5RCW;

(g) one (1) natural gas-fired aluminum reverberatory furnace, identified as 7RF with no remelt capability, constructed in 1995, with a maximum heat input capacity of 10 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 7RF;

(h) one (1) natural gas-fired aluminum reverberatory furnace, identified as 8RF with no remelt capability, constructed in 1995, with a maximum heat input capacity of 10 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 8RF;

(i) one (1) natural gas-fired aluminum reverberatory furnace, identified as 9RF with no remelt capability, constructed in 1998, with a maximum heat input capacity of 10 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 9RF;

(j) one (1) natural gas-fired aluminum reverberatory furnace with no remelt capability, identified as 10RF, constructed in 1998, with a maximum heat input capacity of 10 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 10RF;

(k) one (1) natural gas-fired boiler, identified as 1BLR, constructed in 1964, with a maximum heat input capacity of 95 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 1SB;

(l) one (1) natural gas-fired boiler, identified as 2BLR, constructed in 1964, with a maximum heat input capacity of 81.26 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 2SB;

(m) one (1) natural gas-fired boiler, identified as 3BLR, constructed in 2000, with a maximum heat input capacity of 77.9 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 3SB;

(n) one (1) Pangborn shotblast machine, identified as DC1, constructed in 1968, with a maximum shotblast rate of 72 tons per hour, with emissions controlled by a cartridge filter;

(o) one (1) Mesh Belt shotblast machine, identified as DC2, constructed in 1997, with a maximum shotblast rate of 168,000 pounds per hour, with emissions controlled by a cartridge filter;

(p) one (1) Mesh Belt shotblast machine, identified as DC6, constructed in 1997, with a maximum shotblast rate of 168,000 pounds per hour, with emissions controlled by a cartridge filter;

(q) one (1) Tumbleblast shotblast machine, identified as DC5, constructed in 2000, with a maximum shotblast rate of 40,000 pounds per hour, with emissions controlled by cartridge filter;

(r) one Wire Mesh machine used for deburring of parts, identified as DC4, constructed in 1999, with a maximum shotblast rate of 174,760 pounds per hour, with emissions controlled by a cartridge filter;

(s) one (1) Wire Mesh machine used for deburring of parts, identified as DC7, constructed in 2005, with a maximum shotblast rate of 174,760 pounds per hour, with emissions controlled by a cartridge filter;

(t) one (1) Wire Mesh machine used for deburring of parts, identified as DC8, constructed in 2005, with a maximum shotblast rate of 174,760 pounds per hour, with emissions controlled by a cartridge filter; and

(u) One (1) diesel fired emergency generator with a maximum power output of 2,130 horsepower and maximum operating hours of 500 hrs/yr.

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

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

(a) die casting machines, identified as DCAST1, constructed in 1960, 1983, 1995, 1998 and 2001, with emissions uncontrolled and exhausting internally;

(b) trim machines, with emissions uncontrolled and exhausting internally;

(c) Machining where an aqueous cutting coolant continuously floods the machining interface;

(d) The following equipment related to manufacturing activities not resulting in the emission of HAPs; brazing equipment, cutting torches, soldering equipment, welding equipment;

(e) Stockpiled soils from soil remediation activities that are covered and waiting transport for disposal;

(f) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; woodworking operations, tooling operations including dry grinding/sanding/cutting stations wet grinding stations using a maximum of 0.09 gallons of cutting oil per hour, with emissions controlled by a baghouse and exhausting internally; and

(g) One (1) diesel fired emergency generator, with a maximum power output of 685 horsepower and maximum operating hours of 500 hrs/yr.

A.5 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); and

(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) because the facility is a major Title V source.

SECTION B GENERAL CONDITIONS

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

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

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

This permit, T067-5246-00067, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date.

B.3 Enforceability [326 IAC 2-7-7]

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

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

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

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

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

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

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

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

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

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

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

(b) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.

(c) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 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 is grounds for:

(1) Enforcement action;

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

(3) Denial of a permit renewal application.

(b) Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act.

(c) 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.

(d) An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

B.9 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.10 Annual Compliance Certification [326 IAC 2-7-6(5)]

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

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

and

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

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

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

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ, may require to determine the compliance status of the source.

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

B.11 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]

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

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

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

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

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

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

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

(b) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or contributes to any violation. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

B.12 Emergency Provisions [326 IAC 2-7-16]

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

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

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

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

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

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

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

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

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

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

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

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

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

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4-(c)(9) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

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

B.13 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) In addition to the nonapplicability determinations set forth in Sections D of this permit, the IDEM, OAQ has made the following determinations regarding this source:

(1) 326 IAC 6-2 (Emission Limitations for Sources of Indirect Heating) is not applicable to any boiler at this source. Instead, 326 IAC 6-1-2 is applicable to the boilers.

(2) 326 IAC 6-3-2 (Process Operations) is not applicable to any emission unit at this source. Instead, 326 IAC 6-1-2 or 326 IAC 6-1-15 is applicable.

(c) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(d) 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.

(e) 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.

(f) 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).

(g) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

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

B.14 Prior Permits Superseded [326 IAC 2-1.1-9.5] [326 IAC 2-7-10.5]

(a) All terms and conditions of permits issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised, or

(3) deleted

by this permit.

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

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

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

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

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

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

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

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

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.17 Permit Renewal [326 IAC 2-7-4]

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

Request for renewal shall be submitted to:

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

(b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]

A timely renewal application is one that is:

(A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

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

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

(c) Right to Operate After Application for Renewal [326 IAC 2-7-3]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ,, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.

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

B.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
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1)(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.20 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:

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

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

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

(4) The Permittee notifies the:

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

and

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

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

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

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

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326

IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

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

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

(3) Any change in emissions; and

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

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

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

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

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

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

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

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, 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 any records that must be kept under the conditions of this permit;

(c) Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) Sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

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

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

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

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

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

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

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

(a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, I/M Billing 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 forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

C.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. 326 IAC 9-1-2 is not federally enforceable.

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 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4(d), (e), and (f), and 326 IAC 1-7-5(d) are not federally enforceable.

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

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

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

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

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

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

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

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

All required notifications shall be submitted to:

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

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

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

(f) 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, pursuant to the provisions of 40 CFR 61, Subpart M, is federally enforceable.

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
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

C.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 19, 1998.

(b) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level.
[326 IAC 1-5-3]

C.13 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]

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

(a) A compliance schedule for meeting the requirements of 40 CFR 68; or

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

All documents submitted pursuant to this condition shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

C.14 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:

(1) initial inspection and evaluation;

(2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include,

but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records;

(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 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
MC61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

C.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 and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location for a minimum of three (3) years and available upon the request of an IDEM, OAQ, representative. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a written request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

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

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

(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, document and maintain the following records:
- (A) A description of the project.
- (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
- (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
  - (i) Baseline actual emissions;
  - (ii) Projected actual emissions;
  - (iii) Amount of emissions excluded under section 326 IAC 2-2-1 (rr)(2)(A)(iii) and/or 326 IAC 2-3-1 (mm)(2)(A)(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
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

(f) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

(1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx) and/or 326 IAC 2-3-1 (qq), for that regulated NSR pollutant, and

(2) The emissions differ from the preconstruction projection as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(ii).

(g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:

(1) The name, address, and telephone number of the major stationary source.

(2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements.

(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).

(4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

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

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

Stratospheric Ozone Protection

C.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

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

(a) one (1) natural gas-fired aluminum stack melting furnace, identified as SM1 with a maximum melt/remelt capacity of four and four tenths (4.4) ton per hour, to be constructed in 2007, with a maximum heat input capacity of 10.93 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 1SM;

(b) one (1) natural gas-fired aluminum stack melting furnace, identified as SM2 with a maximum mely/remelt capacity of four and four tenths (4.4) ton per hour, to be constructed in 2007, with a maximum heat input capacity of 10.93 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 3SM;

(c) one (1) natural gas-fired aluminum reverberatory furnace, identified as 2RF with a maximum remelt capacity of thirty (30) tons per hour, constructed in 1984, with a maximum heat input capacity of 20 million British thermal units per hour, with emissions uncontrolled and exhausting to stacks 2RF and 2RCW;

(d) one (1) natural gas-fired aluminum reverberatory furnace, identified as 4RF, constructed in 1998, with a maximum remelt capacity of 6.5 tons of scrap metal per hour and a maximum heat input capacity of 20 million British thermal units per hour, with emissions uncontrolled and exhausting to stacks 4RF and 4RCW;

(e) one (1) natural gas-fired aluminum reverberatory furnace, identified as 5RF with a maximum remelt capacity of thirty (30) tons per hour, constructed in 1978, with a maximum heat input capacity of 18 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 5RF and 5RCW;

(f) one (1) natural gas-fired aluminum reverberatory furnace, identified as 6RF, with a maximum remelt capacity of thirty (30) tons per hour, constructed in 1983, with a maximum heat input capacity of 20 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 6RF and 5RCW;

(g) one (1) natural gas-fired aluminum reverberatory furnace, identified as 7RF with no remelt capability, constructed in 1995, with a maximum heat input capacity of 10 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 7RF;

(h) one (1) natural gas-fired aluminum reverberatory furnace, identified as 8RF with no remelt capability, constructed in 1995, with a maximum heat input capacity of 10 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 8RF;

(i) one (1) natural gas-fired aluminum reverberatory furnace, identified as 9RF with no remelt capability, constructed in 1998, with a maximum heat input capacity of 10 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 9RF;

(j) one (1) natural gas-fired aluminum reverberatory furnace, identified as 10RF with no remelt capability, constructed in 1998, with a maximum heat input capacity of 10 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 10RF.

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

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

D.1.1 Hazardous Air Pollutants (HAPs) Minor Limit [40 CFR 63]

(a) In order for the source to be considered an area source as defined by 40 CFR 63.2 (National Emission Standards for Hazardous Air Pollutants, Subpart A - General Provisions), the following conditions shall apply:

(1) The total metallic HAPs content of the alloys introduced into the stack melting/ reverberatory furnaces, identified as SM1, SM2, and 2RF through 10RF, shall not exceed one percent (1.0%), by weight, with compliance determined at the end of each month.

(2) The particulate emissions (PM/PM10) from the stack melting/reverberatory furnaces shall not exceed the following:

Furnace Identification	PM/PM10 Limit (lbs/ton of alloy)
SM1 and SM2	0.4 (each)
2RF, 5RF, and 6RF	0.457 (each)
4RF	0.527

Furnace Identification	PM/PM10 Limit (lbs/hr)
7RF and 8RF	1.18 (each)
9RF and 10RF	1.02 (each)

Compliance with the above limits, when combined with the production limits in Condition D.1.2 and the HAPs emissions from the combustion of natural gas, will ensure the HAPs emissions from the reverberatory furnaces are less then 3.93 tons per twelve (12) consecutive month period.

This limit is structured such that the total source HAPs emissions remain below ten (10) tons for any single HAP and twenty-five (25) tons total HAPs per year, when including HAPs emissions from the following:

(a) Chrysler LLC-Kokomo Transmission Plant (Part 70 Operating Permit T067-6504-00065), and

(b) Chrysler LLC-Kokomo Casting Plant (Part 70 Operating Permit T067-5246-00065).

D.1.2 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

In order to render the requirements of PSD not applicable, the following conditions shall apply:

(a) The furnaces shall comply with the PM, PM10, and production limits as shown in the table below.

Furnace Identification	PM limit (lbs/ton of metal)	PM10 limit (lbs/ton of metal)	Production limit (tons of metal per 12 consecutive month period)	Production Limit for First 12 months after issuance of this permit (tons of metal per month)
5RF	0.457	none	109,482	9,123.5
6RF	0.457	none	109,482	9,123.5
2RF	0.457	none	109,482	9,123.5
4RF	0.875	0.527	not applicable	not applicable

(b) The furnaces shall comply with the PM and PM10 limits shown in the following table.

Furnace Identification	PM limit (lbs/hr)	PM10 limit (lbs/hr)
9RF and 10RF	2.15 (each)	1.02 (each)
7RF and 8RF	2.32 (each)	1.18 (each)

(c) The PM limit for furnace 4RF shall supersede the requirements of Condition D.9.1(b)(1) of Construction Permit CP067-10006-00065 issued December 7, 1998.

(d) The PM10 limit for furnace 4RF shall supersede the requirements of Condition D.9.1(b)(2) of Construction Permit CP067-10006-00065 issued December 7, 1998.

(e) The scrap metal rate of furnace 4RF shall not exceed 6.5 tons per hour.

(f) Furnace 4RF shall melt only clean scrap generated on-site.

(g) Upon construction and operation of the proposed furnace No. 4, Furnace D shall be permanently taken out of service.

(h) All of the furnaces shall combust only natural gas fuel.

(i) The Permittee shall not melt any scrap from outside sources in any of their furnaces. Therefore, the source will not be classified as a secondary metal processing plant, one of the 28 listed source categories.

Therefore, the requirements of 326 IAC 2-2 (PSD) shall not apply to any of the furnaces.

D.1.3 PSD Minor Limits [326 IAC 2-2]

The permittee shall comply with the following:

(a) The total metal melted/remelted to the two (2) stack melting furnaces, identified as SM1 and SM2 shall be less than 65,000 tons per twelve (12) consecutive month period, with compliance determined at the end of the month.

(b) The total PM_{10} emissions from the two (2) stack melting furnaces, identified as SM1 and SM2 shall be less than 0.4 lb of PM_{10}/ton of melting or remelting.

(c) The combined annual flux usage to the stack melting furnaces, identified as SM1 and SM2 shall be less than 21,900 pounds per twelve (12) consecutive month period, with compliance determined at the end of the month.

(d) The total PM_{10} emissions due to flux usage from the stack melting furnaces, identified as SM1 and SM2 shall be less than 0.129 lb of PM10 /lb of flux.

Compliance with these limits will limit the PM_{10} emissions from the two (2) stack melting furnaces, identified as SM1 and SM2 to less than 15 tons per year and render the requirements of 326 IAC 2-2 (PSD) not applicable to the stack melting furnaces, identified as SM1 and SM2.

D.1.4 Particulate Matter (PM) [326 IAC 6.5-5-2]

Pursuant to 326 IAC 6.5-5-2 (formerly 326 IAC 6-1-15) (Chrysler–Haynes), the following conditions shall apply:

(a) The particulate matter (PM) emissions from the furnace 2RF shall not exceed 0.85 grains per dry standard cubic foot of exhaust air and 92.5 tons per year.

(b) The particulate matter (PM) emissions from the furnace 5RF shall not exceed 0.85 grains per dry standard cubic foot of exhaust air and 92.5 tons per year.

(c) The particulate matter (PM) emissions from the furnace 6RF shall not exceed 0.63 grains per dry standard cubic foot of exhaust air and 36.2 tons per year.

D.1.5 Particulate Matter (PM) [326 IAC 6.5-1-2]

Pursuant to this rule, the particulate matter (PM) emissions from each of the furnaces identified as SM1, SM2, 4RF, 7RF, 8RF, 9RF, and 10RF shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

D.1.6 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.

Compliance Determination Requirements

D.1.7 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

(a) The Permittee shall perform stack testing as shown in the table below using methods as approved by the Commissioner, in order to demonstrate compliance with conditions D.1.2, D.1.3, and D.1.4. PM10 includes filterable and condensible PM10. These tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

Furnace Identification	Stack Tests Required	Time frame for stack testing
4RF	PM and PM10	Between the date of issuance of this permit (T067-5246-00065), and November 2004
either 2RF or 6RF	PM and PM10	Within 12 months after permit issuance (T067-5246-00065)
5RF	PM and PM10	Within 24 months after permit issuance (T067-5246-00065)
either SM1 or SM2	PM and PM10	Within 180 Days of Startup

(b) To document compliance with the metallic HAPs content limitation in Condition D.1.1(a)(1), the following conditions shall apply:

(1) The Permittee shall test each pot of molten metal introduced into the reverberatory furnaces to verify the individual metallic HAPs and the total metallic HAPs content of the molten metal of each pot, utilizing methods as approved by the Commissioner; or,

(2) Provide vendor analysis of each pot of molten metal delivered that verifies the individual metallic HAPs and the total metallic HAPs content of the molten metal of each pot. The vendor analysis shall be conducted utilizing methods as approved by the Commissioner.

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

D.1.8 Visible Emissions Notations

(a) Visible emission notations of all of the furnace stack exhausts 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.

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

D.1.9 Record Keeping Requirements

(a) To document compliance with Condition D.1.8, the Permittee shall maintain daily records of the visible emission notations of the ten (10) furnaces stack exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation, (e.g. the process did not operate that day).

(b) To document compliance with Conditions D.1.1 and D.1.2, the Permittee shall maintain records of the throughput of metal remelted in each of the furnaces.

(c) To document compliance with Condition D.1.3, the Permittee shall maintain records of the throughput of metal melted/remelted and the amount of flux usage in each of the furnaces.

(d) To document compliance with Condition D.1.1, Permittee shall maintain records of the results of any compliance testing required in Condition D.1.6(a) and (b).

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

D.1.10 Reporting Requirements

(a) A quarterly summary of the information to document compliance with Conditions D.1.2 and D.1.3 shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting form located at the end of this permit, or its equivalent, within thirty (30) days after the end of the quarter being reported. The reports submitted by the Permittee do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) A summary of the information to document compliance with Condition D.1.1 shall be submitted to the address listed in Section C – General Reporting and Recordkeeping Requirements, upon request.

SECTION D.2 FACILITY OPERATION CONDITIONS

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

(a) one (1) natural gas-fired boiler, identified as 1BLR, constructed in 1964, with a maximum heat input capacity of 95 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 1SB;

(b) one (1) natural gas-fired boiler, identified as 2BLR, constructed in 1964, with a maximum heat input capacity of 81.26 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 2SB;

(c) one (1) natural gas-fired boiler, identified as 3BLR, constructed in 2000, with a maximum heat input capacity of 77.9 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 3SB;

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

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

D.2.1 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

Pursuant to 067-11163 issued September 30, 1999 and in order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the boiler BLR3 shall combust only natural gas. Therefore, the requirements of 326 IAC 2-2 (PSD) shall not apply.

D.2.2 Particulate Matter (PM) [326 IAC IAC 6.5-1-2]

Pursuant to 326 IAC IAC 6.5-1-2 (formerly 326 IAC 6-1-2) (Particulate Emission Limitations; fuel combustion steam generators, asphalt concrete plant, grain elevators, foundries, mineral aggregate operations; modification by commissioner), the particulate matter (PM) emissions from each of the boilers BLR1, BLR2, and BLR3 shall not exceed 0.01 grains per dry standard cubic foot of exhaust air.

D.2.3 General Provisions Relating to NSPS [326 IAC 12-1][40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the facility described in this section except when otherwise specified in 40 CFR Part 60, Subpart Dc.

Compliance Determination Requirements, Record keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.4 Fuel Usage Records [326 IAC 12, (40 CFR 60.40c, Subpart Dc)]

(a) Pursuant to New Source Performance Standard, 326 IAC 12, (40 CFR 60.40c, Subpart Dc), the Permittee shall record and maintain records of the amounts of each fuel combusted during each day of operation for boiler 3BLR.

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

SECTION D.3 FACILITY OPERATION CONDITIONS

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

(a) one (1) Pangborn shotblast machine, identified as DC1, constructed in 1968, with a maximum shotblast rate of 72 tons per hour, with emissions controlled by a cartridge filter;

(b) one (1) Mesh Belt shotblast machine, identified as DC2, constructed in 1997, with a maximum shotblast rate of 168,000 pounds per hour, with emissions controlled by a cartridge filter;

(c) one (1) Mesh Belt shotblast machine, identified as DC6, constructed in 1997, with a maximum shotblast rate of 168,000 pounds per hour, with emissions controlled by a cartridge filter;

(d) one (1) Tumbleblast shotblast machine, also identified as DC5, constructed in 2000, with a maximum shotblast rate of 40,000 pounds per hour, with emissions controlled by cartridge filter;

(e) one Wire Mesh machine used for deburring of parts, identified as DC4, constructed in 1999, with a maximum shotblast rate of 174,760 pounds per hour, with emissions controlled by a cartridge filter;

(f) one (1) Wire Mesh machine used for deburring of parts, identified as DC7, constructed in 2005, with a maximum shotblast rate of 174,760 pounds per hour, with emissions controlled by a cartridge filter;

(g) one (1) Wire Mesh machine used for deburring of parts, identified as DC8, constructed in 2005, with a maximum shotblast rate of 174,760 pounds per hour, with emissions controlled by a cartridge filter.

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

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

D.3.1 Hazardous Air Pollutants (HAPs) Minor Limit [40 CFR 63]

(a) In order for the source to be considered an area source as defined by 40 CFR 63.2 (National Emission Standards for Hazardous Air Pollutants, Subpart A - General Provisions), the following conditions shall apply:

(1) The total metallic HAP content of the shot used by the shotblast machines and the wire mesh machines, identified as DC1 through DC8, shall not exceed 0.0125 pound of total metallic HAPs per pound of shot with compliance determined at the end of each month.

(2) The particulate emissions (PM/PM10) from the shotblast and wire mesh machines shall not exceed the following:

Unit ID	PM/PM10 Limit (lb/hr)
DC2 and DC6	3.90 (combined)
DC4	5.40
DC5	4.64
DC7 and DC8	2.85 (each)

Compliance with the above limits will ensure that the total metallic HAPs emitted as PM/PM10 from the shotblast and wire mesh machines are less than 1.30 tons per twelve (12) consecutive month period.

(b) This limit is structured such that the total source HAPs emissions remain below ten (10) tons for any single HAP and twenty-five (25) tons total HAPs, per year, when including HAPs emissions from the following:

(1) Chrysler Corporation LLC-Kokomo Transmission Plant (Part 70 Operating Permit T067-6504-00065), and

(2) Chrysler Corporation Kokomo LLC-Casting Plant (Part 70 Operating Permit T067-5246-00065).

D.3.2 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (PSD) not applicable, the following conditions shall apply:

(a) The PM emissions from the DC2 and DC6 mesh belt shotblasters shall be vented through dedicated cartridge filters and shall not exceed 3.90 pounds per hour, combined.

(b) The PM10 emissions from the DC2 and DC6 mesh belt shotblasters shall be vented through dedicated cartridge filters and shall not exceed 1.62 pounds per hour, combined.

(c) The PM emissions from the DC4 wire mesh shotblast machine shall be vented through a dedicated cartridge filter and shall not exceed 5.40 pounds per hour.

(d) The PM10 emissions from the DC4 wire mesh shotblast machine shall be vented through a dedicated cartridge filter and shall not exceed 3.12 pounds per hour.

(e) The PM emissions from the DC5 Tumbleblast shotblast machine shall be vented through a dedicated cartridge filter and shall not exceed 4.64 pounds per hour.

(f) The PM10 emissions from the DC5 Tumbleblast shotblast machine shall be vented through a dedicated cartridge filter and shall not exceed 2.36 pounds per hour.

(g) The PM emissions from the DC7 wire mesh shotblast machine shall be vented through a dedicated cartridge filter and shall not exceed 2.85 pounds per hour.

(h) The PM10 emissions from the DC7 wire mesh shotblast machine shall be vented through a dedicated cartridge filter and shall not exceed 1.71 pounds per hour.

(i) The PM emissions from the DC8 wire mesh shotblast machine shall be vented through a dedicated cartridge filter and shall not exceed 2.85 pounds per hour.

(j) The PM10 emissions from the DC8 wire mesh shotblast machine shall be vented through a dedicated cartridge filter and shall not exceed 1.71 pounds per hour.

Therefore, the requirements of 326 IAC 2-2 (PSD) shall not apply.

D.3.3 Particulate Matter (PM) [326 IAC 6.5-1-2]

Pursuant to 326 IAC IAC 6.5-1-2 (formerly 326 IAC 6-1-2) (Particulate Emission Limitations; fuel combustion steam generators, asphalt concrete plant, grain elevators, foundries, mineral aggregate operations; modification by commissioner), the following conditions shall apply:

(a) The particulate matter (PM) emissions from the cartridge filter controlling the shotblast machine identified as the DC1 Pangborn shotblast machine shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

(b) The particulate matter (PM) emissions from the cartridge filter controlling the shotblast machine identified as the DC2 Mesh belt shotblast machine shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

(c) The particulate matter (PM) emissions from the cartridge filter controlling the shotblast machine identified as the DC6 Mesh belt shotblast machine shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

(d) The particulate matter (PM) emissions from the cartridge filter controlling the shotblast machine identified as the DC5 Tumbleblast shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

(e) Pursuant to Significant Source Modification 067-10648, issued June 18, 1999, the particulate matter (PM) emissions from the cartridge filter controlling the shotblast machine identified as the DC4 Wire mesh shotblast machine shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

(f) The particulate matter (PM) emissions from the cartridge filter controlling the shotblast machine identified as the DC7 wire mesh shotblast machine shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

(e) The particulate matter (PM) emissions from the cartridge filter controlling the shotblast machine identified as the DC8 wire mesh shotblast machine shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

D.3.4 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 their control devices.

Compliance Determination Requirements

D.3.5 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

The Permittee shall perform stack testing as shown in the table below. Testing shall be conducted using methods as approved by the Commissioner, in order to demonstrate compliance with conditions D.3.2 and D.3.3. PM10 includes filterable and condensible PM10. These tests shall be repeated at least once every five (5) years from the date of a valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

Shotblast Machine Identification	Stack Tests Required	Time frame for stack testing
cartridge filter controlling the DC1 Pangborn shotblast machine	PM	Within 180 days after startup of the cartridge filter, then once every 5 years
cartridge filter controlling the DC4 wire mesh shotblast machine	PM and PM10	Within 36 months after permit issuance (T067-5246-00065), then once every 5 years
One (1) of the cartridge filters controlling the DC7 or DC8 wire mesh shotblast machine	PM and PM10	Within 36 months after permit issuance (MSM 067-21840-00065), then once every 5 years
cartridge filter controlling the DC2 mesh shotblast machine and cartridge filter controlling the DC6 mesh shotblast machine, shall be tested simultaneously	PM and PM10	Within 180 days after startup of the new cartridge filters, then once every 5 years

D.3.6 Particulate Controls [326 IAC 2-7-6(6)]

In order to comply with Conditions D.3.2 and D.3.3, the following conditions shall apply:

(a) The cartridge filter for PM control shall be in operation and control emissions from the DC1 Pangborn shotblast machine at all times that the shotblast machine is in operation.

(b) The cartridge filter for PM and PM10 control shall be in operation and control emissions from the DC2 mesh belt shotblast machine at all times that the machine is in operation.

(c) The cartridge filter for PM and PM10 control shall be in operation and control emissions from the DC6 mesh belt shotblast machines at all times that the machine is in operation.

(d) The cartridge filter for PM and PM10 control shall be in operation and control emissions from the DC5 Tumbleblast shotblast machines at all times that either machine is in operation.

(e) The cartridge filter for PM and PM10 control shall be in operation and control emissions from the DC4 wire mesh shotblast machine at all times that the shotblast machine is in operation.

(f) The cartridge filter for PM and PM10 control shall be in operation and control emissions from the DC7 wire mesh shotblast machine at all times that the shotblast machine is in operation.

(g) The cartridge filter for PM and PM10 control shall be in operation and control emissions from the DC8 wire mesh shotblast machine at all times that the shotblast machine is in operation.

In the event that filtration failure is observed in a multi-compartment unit, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

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

D.3.7 Visible Emissions Notations

(a) Visible emission notations of all of the controlled stack exhausts 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.3.8 Cartridge Filter Parametric Monitoring

The Permittee shall record the pressure drop across the cartridge filters controlling the shotblast machines, at least once per day, when the shotblasting process is in operation. When for any one reading, the pressure drop across the control device is outside the normal range of 0.5 to 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

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

D.3.9 Record Keeping Requirements

(a) To document compliance with Condition D.3.7, the Permittee shall maintain daily records of the visible emission notations of the cartridge filter stack exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation, (e.g. the process did not operate that day).

(b) To document compliance with Condition D.3.8 the Permittee shall maintain the daily records of the pressure drop across the cartridge filter controlling the four shotblast machines and the three wire mesh machines. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (e.g. the process did not operate that day).

(c) To document compliance with the Condition D.3.1, the Permittee shall maintain records in accordance with the following:

(1) The Permittee shall maintain records of material safety data sheets (MSDS), or their equivalent, necessary to verify the individual Metallic HAPs and the total Metallic HAPs content of the shot used during the compliance period Vendor

supplied Technical Data Sheets or DaimlerChrysler HAZCON sheets, detailing the alloy composition tested value, are an acceptable equivalent.

(2) The Permittee shall maintain records of the results of any compliance testing required in Condition D.3.5.

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

D.3.10 Reporting Requirements

A summary of the information to document compliance with Conditions D.3.1 shall be submitted to the address listed in Section C – General Reporting and Recordkeeping Requirements, upon request.

SECTION D.4 FACILITY OPERATION CONDITIONS

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

(a) One (1) diesel fired emergency generator with a maximum power output of 2,130 horsepower and maximum operating hours of 500 hrs/yr.

Insignificant Activities as follows:

Die casting machines, identified as DCAST1, constructed in 1960, 1983, 1995, and 1997, with emissions uncontrolled and exhausting internally;

(a) trim operations with emissions uncontrolled and exhausting internally;

(b) Machining where an aqueous cutting coolant continuously floods the machining interface;

(c) The following equipment related to manufacturing activities not resulting in the emission of HAPs; brazing equipment, cutting torches, soldering equipment, welding equipment;

(d) Stockpiled soils from soil remediation activities that are covered and waiting transport for disposal;

(e) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; woodworking operations; tooling operations including dry grinding/sanding/cutting stations and wet grinding stations; and

(g) One (1) diesel fired emergency generator, with a maximum power output of 685 horsepower and maximum operating hours of 500 hrs/yr.

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

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

D.4.1 Particulate Matter (PM) [326 IAC 6.5-1-2]

Pursuant to 326 IAC IAC 6.5-1-2 (formerly 326 IAC 6-1-2) (Particulate Emission Limitations; fuel combustion steam generators, asphalt concrete plant, grain elevators, foundries, mineral aggregate operations; modification by commissioner), the particulate matter (PM) emissions from each of the emission units listed in this section shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

D.4.2 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (PSD) not applicable, the following conditions shall apply:

(a) The PM emissions from each of the die cast machines shall not exceed 0.153 pounds per hour.

(b) The PM10 emissions from each of the die cast machines shall not exceed 0.153 pounds per hour.

Therefore, the requirements of 326 IAC 2-2 (PSD) shall not apply.

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

PART 70 OPERATING PERMIT CERTIFICATION

Source Name:	Chrysler LLC-Kokomo Casting Plant
Source Address:	Chrysler Kokomo Casting Plant 1001 East Boulevard, Kokomo, Indiana 46904
Source Address:	Chrysler Kokomo Transmission Plant 2401 S. Reed Road, Kokomo, Indiana 46904
Mailing Address:	1001 East Boulevard, Kokomo, Indiana 46904
Part 70 Permit No.:	067-5246-00065

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

Please check what document is being certified:

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

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. This certification applies only to the facilities located at the DaimlerChrysler Kokomo Castings Plant.

Signature:
Printed Name:
Title/Position:
Phone:
Date:

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

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name:	Chrysler LLC-Kokomo Casting Plant
Source Address:	Chrysler Kokomo Casting Plant 1001 East Boulevard, Kokomo, Indiana 46904
Source Address:	Chrysler Kokomo Transmission Plant 2401 S. Reed Road, Kokomo, Indiana 46904
Mailing Address:	1001 East Boulevard, Kokomo, Indiana 46904

This form consists of 2 pages **Page 1 of 2**

☐ This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
- The Permittee must submit notice by mail or facsimile within two (**2**) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

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

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

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe: Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:

Title / Position:

Date:

Phone:

A certification is not required for this report.

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

Source Name: Chrysler LLC-Kokomo Casting Plant
Source Address: Chrysler Kokomo Casting Plant
1001 East Boulevard, Kokomo, Indiana 46904
Source Address: Chrysler Kokomo Transmission Plant
2401 S. Reed Road, Kokomo, Indiana 46904
Mailing Address: 1001 East Boulevard, Kokomo, Indiana 46904
Part 70 Permit No.: T067-5246-00065
Facilities: Furnaces 2RF, 5RF and 6RF
Parameter: amount of metal melted
Limits: Furnaces 5RF, 6RF, and 2RF are each limited to 109,482 tons of metal per 12 consecutive month period;

YEAR:

Month		Column 2	Column 3	Column 2 + Column 3
	Furnace Identification	**This Month**	**Previous 11 Months**	**12 Month Total**
Month 1	**Furnaces 5RF, 6RF, and 2RF**			
Month 2	**Furnaces 5RF, 6RF, and 2RF**			
Month 3	**Furnaces 5RF, 6RF, and 2RF**			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

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

Attach a signed certification to complete this report.

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

Source Name:	Chrysler LLC-Kokomo Casting Plant
Source Address:	Chrysler Kokomo Casting Plant 1001 East Boulevard, Kokomo, Indiana 46904
Source Address:	Chrysler Kokomo Transmission Plant 2401 S. Reed Road, Kokomo, Indiana 46904
Mailing Address:	1001 East Boulevard, Kokomo, Indiana 46904
Part 70 Permit No.:	T067-5246-00065
Facilities:	Furnaces SM1 and SM2
Parameter:	amount of metal melted
Limits:	Furnaces SM1 and SM2 are limited to a combined total of 65,000 tons of metal per 12 consecutive month period;

YEAR:

Month		Column 2	Column 3	Column 2 + Column 3
	Furnace Identification	**This Month**	**Previous 11 Months**	**12 Month Total**
Month 1	**SM1 and SM2**			
Month 2	**SM1 and SM2**			
Month 3	**SM1 and SM2**			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

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

Attach a signed certification to complete this report.

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

Source Name:	Chrysler LLC-Kokomo Casting Plant
Source Address:	Chrysler Kokomo Casting Plant 1001 East Boulevard, Kokomo, Indiana 46904
Source Address:	Chrysler Kokomo Transmission Plant 2401 S. Reed Road, Kokomo, Indiana 46904
Mailing Address:	1001 East Boulevard, Kokomo, Indiana 46904
Part 70 Permit No.:	T067-5246-00065
Facilities:	Furnaces SM1 and SM2
Parameter:	amount of flux
Limits:	Furnaces SM1 and SM2 are limited to a combined total of 21,900 lb PM10 of Flux per twelve (12) consecutive month period**.**

YEAR:

Month		**Column 2**	**Column 3**	**Column 2 + Column 3**
	Furnace Identification	**This Month**	**Previous 11 Months**	**12 Month Total**
Month 1	**SM1 and SM2**			
Month 2	**SM1 and SM2**			
Month 3	**SM1 and SM2**			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:
Submitted by:
Title / Position:
Signature:
Date:
Phone:

Attach a signed certification to complete this report.

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

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name:	Chrysler LLC-Kokomo Casting Plant
Source Address:	Chrysler Kokomo Casting Plant 1001 East Boulevard, Kokomo, Indiana 46904
Source Address:	Chrysler Kokomo Transmission Plant 2401 S. Reed Road, Kokomo, Indiana 46904
Mailing Address:	1001 East Boulevard, Kokomo, Indiana 46904
Part 70 Permit No.:	067-5246-00065

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

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)

Date of Deviation: **Duration of Deviation:**

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

Permit Requirement (specify permit condition #)

Date of Deviation: **Duration of Deviation:**

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

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

Form Completed By:

Title/Position:

Date:

Phone:

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

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

Source Description and Location

Source Name:	Chrysler LLC - Kokomo Casting Plant
Source Location:	1001 East Boulevard, Kokomo, Indiana 46904
County:	Howard
SIC Code:	3363
Operation Permit No.:	T 067-5246-00065
Operation Permit Issuance Date:	June 30, 2003
Significant Source Modification No.:	067-25480-00065
Significant Permit Modification No.:	067-25504-00065
Permit Reviewer:	Josiah Balogun

Existing Approvals

The source was issued Part 70 Operating Permit No. T067-5246-00065 on June 30, 2003. The source has since received the following approvals:

(a) Significant Permit Modification T067-16788-00065, issued on July 8, 2003

(b) Interim T067-17799I-00065, issued on July 28, 2003

(c) Minor Source Modification T067-17799-00065, issued on September 16, 2003

(d) Minor Permit Modification T067-17714-00065, issued on September 16, 2003

(e) Minor Permit Modification T067-18500-00065, issued on May 18, 2004

(f) Administrative Amendment T067-19500-00065, issued on August 19, 2004

(g) Interim T067-19417I-00065, issued on August 20, 2004

(h) Minor Source Modification T067-19417-00065, issued on November 23, 2004

(i) Minor Permit Modification T067-19553-00065, issued on January 26, 2005

(j) Administrative Amendment T067-20879-00065, issued on March 31, 2005

(k) Significant Source Modification T067-19756-00065, issued on April 14, 2005

(l) Significant Permit Modification T067-19555-00065, issued on April 29, 2005

(m) Administrative Amendment T067-21602-00065, issued on September 30, 2005

(n) Interim T067-21862I-00065, issued on October 26, 2005

(o) Minor Source Modification T067-21840-00065, issued on November 10, 2005

(p) Minor Permit Modification T067-21862-00065, issued on January 6, 2006;

(q) Interim T067-22565I-00065, issued on February 1, 2006;

(r) Significant Permit Modification T067-20936-00065, issued on February 20, 2006;

(s) Significant Permit Modification T067-22771-00065, issued on July 11, 2006;

(t) Significant Permit Modification T067-21686-00065, issued on July 11, 2006;

(u) Significant Permit Modification T067-24440-00065, issued on May 25, 2007;

(v) Administrative Amendment T067-24731-00065, issued on June 13, 2007; and

(w) Administrative Amendment T067-24730-00065, issued on July 2, 2007.

County Attainment Status

The source is located in Howard County.

Pollutant	Status
PM_{10}	attainment
$PM_{2.5}$	attainment
SO_2	attainment
NO_2	attainment
8-hour Ozone	attainment
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 ozone. Howard County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) Howard County has been classified as attainment for $PM_{2.5}$. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for $PM_{2.5}$ emissions. Therefore, until the U.S.EPA adopts specific provisions for PSD review for $PM_{2.5}$ emissions, it has directed states to regulate PM_{10} emissions as a surrogate for $PM_{2.5}$ emissions.

(c) Howard County has been classified as attainment or unclassifiable for all criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(d) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are not 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	greater than 250
PM10	greater than 250
SO_2	greater than 250
VOC	greater than 250
CO	greater than 250
NO_x	greater than 250

(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 250 tons per year or more, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

(b) These emissions are based upon Part 70 permit No.T067-5246-00065, issued on June 30, 2003.

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)
Single	less than 10
Total	less than 25

This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because HAPs emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Chrysler LLC - Kokomo Casting Plant on October 30, relating to the construction of two (2) stack melting furnaces, identified as SM1 and SM2, which will be used to melt aluminum for the casting of various production parts that are manufactured at KCP. The proposed construction will reduce production costs by replacing existing furnace 1ARF, 1BRF and 3RF with newer, more energy-efficient models. The overall facility production will not increase, but the installation of the new furnace will allow for a greater hourly remelt capacity. The following is a list of the modified emission units:

(a) one (1) natural gas-fired aluminum stack melting furnace, identified as SM1 with a maximum melt/remelt capacity of four and four tenths (4.4) tons per hour, to be constructed in 2007, with a maximum heat input capacity of 10.93 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 1SM; and

(b) one (1) natural gas-fired aluminum stack melting furnace, identified as SM2 with a maximum melt/remelt capacity of four and four tenths (4.4) tons per hour, to be constructed in 2007, with a maximum heat input capacity of 10.93 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 3SM.

Enforcement Issues

There are no pending enforcement actions.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

Permit Level Determination – Part 70

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency."

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE 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	15.44
PM10	15.94
SO_2	0.1
VOC	0.5
CO	8.0
NO_x	9.6

HAPs	Potential To Emit (tons/year)
Single	less than 10
Total	less than 25

Although the PTE of PM_{10} is more than 15 tons per year, the Permittee has opted to limit the combined material throughput and the flux usage per year such that the PM_{10} emissions from the two (2) furnaces will be less than 15 tons per year. Pursuant to 326 IAC 2-7-10.5(f)(1) this source modification will be processed as a Significant Source Modification since the modification requires an enforceable emission limit for PM_{10}. Additionally, the modification will be incorporated into the Part 70 Operation Permit through a significant permit modification issued pursuant to 326 IAC 2-7-12(d) because this permit modification requires a case-by-case determination of emission limits.

Permit Level Determination – PSD

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.

	Potential to Emit (tons/year)						
Process/Emission Unit	**PM**	**PM10**	**SO_2**	**VOC**	**CO**	**NO_X**	**HAPs**
Two (2) stack melting furnaces (SM1 and SM2)	14.4	14.4	0.1	0.5	8.0	9.6	0.18
Total emissions from Modification	14.4	14.4	0.1	0.5	8.0	9.6	0.18
Significant Level	25	15	40	40	100	40	

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

Federal Rule Applicability Determination

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

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

(c) 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.

All of the emission units have the potential to emit regulated pollutants (uncontrolled) less than the major source thresholds.

Based on this evaluation, the requirements of 40 CFR Part 64, CAM are not applicable to any of the new emission units.

State Rule Applicability Determination

The following state rules are applicable to the source due to the modification:

326 IAC 2-2 (PSD)
The uncontrolled PM emissions from the stack melting furnaces are less than 25 tons per year but the uncontrolled PM_{10} emissions from the stack melting furnaces, identified as SM1 and SM2 are more than 15 tons per year. The following limit for PM_{10} emissions has been established for these emission units.

(a) The total metal melted/remelted to the two (2) stack melting furnaces, identified as SM1 and SM2 shall be less than 65,000 tons per twelve (12) consecutive month period, with compliance determined at the end of the month.

(b) The total PM_{10} emissions from the stack melting furnaces, identified as SM1 and SM2 shall be less than 0.4 lb of PM_{10}/ton of melting or remelting.

(c) The combined annual flux usage to the stack melting furnaces, identified as SM1 and SM2 shall be less than 21,900 pounds per twelve (12) consecutive month period, with compliance determined at the end of the month.

(d) The total PM_{10} emissions due to flux usage from the stack melting furnaces, identified as SM1 and SM2 shall be less than 0.129 lb of PM_{10} /lb of flux.

Compliance with these limits will limit the PM_{10} emissions from the two (2) stack melting furnaces, identified as SM1 and SM2 to less than 15 tons per year and render the requirements of 326 IAC 2-2 (PSD) not applicable to the stack melting furnaces, identified as SM1 and SM2.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The two (2) stack melting furnces, identified as SM1 and SM2 will emit less than ten (10) tons per year for a single HAP and less than twenty five (25) tons per year for a combination of HAPs. Therefore, the requiremnets of 326 IAC 2-4.1 are not applicable to these emission units.

326 IAC 6.5-1-2 (Formerly 326 IAC 6-1-2) (County Specific Particulate Matter Limitations)
Pursuant to 326 IAC 6.5-1-2(a), the particulate matter (PM) emissions from the two (2) stack melting furnaces, identified as SM1 and SM2 shall not exceed 0.03 grains per dry standard cubic foot, each.

Comparison between 326 IAC 6.5 and 326 IAC 6-3-2

Operation	Process Weight Rate (tons/hr)	326 IAC 6.5 Allowable Limits (lb/hr)	326 IAC 6-3-2 Allowable Limits (lb/hr)	Most Stringent Limit
Stack melt furnace (SM1)	4.4	3.71	11.1	326 IAC 6.5
Stack melt furnace (SM2)	4.4	3.71	11.1	326 IAC 6.5

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.

Emission units	Control device	When to test	Pollutants	Frequency of testing
SM1 or SM2 with fluxing	No control	Within 180 days after startup	PM_{10}	Every five years
SM1 or SM2 without fluxing	No control	Within 180 days after startup	PM_{10}	Every five years

Compliance monitoring conditions have not changed due to this modification.

Proposed Changes

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

Change 1 The emission descriptions in Section A.3 have been revised.

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

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

~~(a)~~ ~~one (1) natural gas-fired aluminum reverberatory furnace, identified as 1ARF with a maximum remelt capacity of one (1) ton per hour, constructed in 1988, with a maximum heat input capacity of 8 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 1RF;~~

~~(b)~~ ~~one (1) natural gas-fired aluminum reverberatory furnace, identified as 1BRF with a maximum remelt capacity of one (1) ton per hour, constructed in 1988, with a maximum heat input capacity of 8 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 1RF;~~

(a) one (1) natural gas-fired aluminum stack melting furnace, identified as SM1 with a maximum melt/remelt capacity of four and four tenths (4.4) ton per hour, to be constructed in 2007, with a maximum heat input capacity of 10.93 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 1SM;

(b) one (1) natural gas-fired aluminum stack melting furnace, identified as SM2 with a maximum melt/remelt capacity of four and four tenths (4.4) ton per hour, to be constructed in 2007, with a maximum heat input capacity of 10.93 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 3SM.

Change 2 The aluminum reverberatory furnace, identified as 3RF has been deleted from the Section A.4 because the furnace has been physically removed from the source. The other emission units have been renumbered accordingly.

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

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

~~(a) one (1) natural gas-fired aluminum reverberatory furnace, identified as 3RF, with a maximum remelt capacity of 1.5 tons per hour, constructed in 1997, with a maximum heat input capacity of 8 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 3RF;~~

.....

Change 3 Condition C.17(c) has been revised.

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]

.....

~~(c) If there is a reasonable possibility that a "project" (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, other than projects at a Clean Unit, which is not part of a "major modification" (as defined in 326 IAC 2-2-1 (ee) and/or 326 IAC 2-3-1 (z)) 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) and/or 326 IAC 2-3-1 (mm)), the Permittee shall comply with following:~~

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

.....

Change 4 The two stack melting furnaces have been included in Section D.1, reverberatory furnace, identified as 3RF, an insignificant activities has been deleted. The PSD limits for the two stack melting furnaces have been included in Condition D.1.2. Two reverberatory furnaces, identified as 1ARF and 1BRF have been deleted from Section.1. Record keeping requirements for the emission visible notation in Condition D1.8 has been revised.

SECTION D.1 FACILITY OPERATION CONDITIONS

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

~~(a) one (1) natural gas-fired aluminum reverberatory furnace, identified as 1ARF with a maximum remelt capacity of one (1) ton per hour, constructed in 1988, with a maximum heat input capacity of 8 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 1RF;~~

~~(b) one (1) natural gas-fired aluminum reverberatory furnace, identified as 1BRF with a maximum remelt capacity of one (1) ton per hour, constructed in 1988, with a maximum heat input capacity of 8 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 1RF;~~

(a) one (1) natural gas-fired aluminum stack melting furnace, identified as SM1 with a maximum melt/remelt capacity of four and four tenths (4.4) ton per hour, to be constructed in 2007, with a maximum heat input capacity of 10.93 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 1SM;

(b) one (1) natural gas-fired aluminum stack melting furnace, identified as SM2 with a maximum melt/remelt capacity of four and four tenths (4.4) ton per hour, to be constructed in 2007, with a maximum heat input capacity of 10.93 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 3SM;

.....

~~**Insignificant Activities:**~~

~~(k) one (1) natural gas-fired aluminum reverberatory furnace, identified as 3RF, constructed in 1997, with a maximum remelt capacity of 1.5 tons per hour and a maximum heat input capacity of 8 million British thermal units per hour, with emissions uncontrolled and exhausting to stacks 3RF and 3RCW;~~

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

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

D.1.1 Hazardous Air Pollutants (HAPs) Minor Limit [40 CFR 63]

.....

(1) The total metallic HAPs content of the alloys introduced into the **stack melting**/reverberatory furnaces, identified as ~~1ARF, 1BRF,~~ **SM1, SM2** and 2RF through 10RF, shall not exceed one percent (1.0%), by weight, with compliance determined at the end of each month.

(2) The particulate emissions (PM/PM10) from the **stack melting**/reverberatory furnaces shall not exceed the following:

Furnace Identification	**PM/PM10 Limit (lbs/ton of alloy)**
~~1ARF and 1BRF~~ **SM1 and SM2**	~~2.35~~ **0.4** (each)
2RF, 5RF, and 6RF	0.457 (each)
4RF	0.527

Furnace Identification	**PM/PM10 Limit (lbs/hr)**
~~3RF~~	~~1.19~~
7RF and 8RF	1.18 (each)
9RF and 10RF	1.02 (each)

(a) ~~Daimler~~Chrysler ~~Corporation~~ LLC-Kokomo Transmission Plant (Part 70 Operating Permit T067-6504-00065), and

(b) ~~Daimler~~Chrysler ~~Corporation~~ LLC-Kokomo Casting Plant (Part 70 Operating Permit T067-5246-00065).

D.1.2 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

In order to render the requirements of PSD not applicable, the following conditions shall apply:

(a) The furnaces shall comply with the PM, PM10, and production limits as shown in the table below.

Furnace Identification	**PM limit (lbs/ton of metal)**	**PM10 limit (lbs/ton of metal)**	**Production limit (tons of metal per 12 consecutive month period)**	**Production Limit for First 12 months after issuance of this permit (tons of metal per month)**
5RF	0.457	none	109,482	9,123.5
6RF	0.457	none	109,482	9,123.5
2RF	0.457	none	109,482	9,123.5
~~1ARF and 1BRF~~	~~2.35 (each)~~	~~none~~	~~68,046 (for both furnaces combined)~~	~~5,670.5 (for both furnaces combined)~~
4RF	0.875	0.527	not applicable	not applicable

(b) The furnaces shall comply with the PM and PM10 limits shown in the following table.

Furnace Identification	**PM limit (lbs/hr)**	**PM10 limit (lbs/hr)**
9RF and 10RF	2.15 (each)	1.02 (each)
7RF and 8RF	2.32 (each)	1.18 (each)
~~3RF~~	~~1.19~~	~~1.19~~

.....

D.1.3 PSD Minor Limits [326 IAC 2-2]

The permittee shall comply with the following:

(a) The total metal melted/remelted to the stack melting furnaces, identified as SM1 and SM2 shall be less than 65,000 tons per twelve (12) consecutive month period, with compliance determined at the end of the month.

(b) The total PM_{10} emissions from the stack melting furnaces, identified as SM1 and SM2 shall be less than 0.4 lb of PM_{10}/ton of melting or remelting.

(c) The combined annual flux usage to the stack melting furnaces, identified as SM1 and SM2 shall be less than 21,900 pounds per twelve (12) consecutive month period, with compliance determined at the end of the month.

(d) The total PM_{10} emissions due to flux usage from the stack melting furnaces, identified as SM1 and SM2 shall be less than 0.129 lb of PM10 /lb of flux.

Compliance with these limits will limit the PM_{10} emissions from the two (2) stack melting furnaces, identified as SM1 and SM2 to less than 15 tons per year and render the requirements of 326 IAC 2-2 (PSD) not applicable to the stack melting furnaces, identified as SM1 and SM2.

D.1.**4** ~~3~~ Particulate Matter (PM) [326 IAC 6.5-5-2]

Pursuant to 326 IAC 6.5-5-2 (formerly 326 IAC 6-1-15) (Chrysler–Haynes), the following conditions shall apply:

~~(a) The particulate matter (PM) emissions from the furnace 1ARF shall not exceed 0.39 grains per dry standard cubic foot of exhaust air and 22.5 tons per year.~~

~~(b) The particulate matter (PM) emissions from the furnace 1BRF shall not exceed 0.39 grains per dry standard cubic foot of exhaust air and 22.5 tons per year.~~

.....

D.1.**5** ~~4~~ Particulate Matter (PM) [326 IAC 6.5-1-2]

Pursuant to this rule, the particulate matter (PM) emissions from each of the furnaces identified as ~~3RF,~~ **SM1, SM2,** 4RF, 7RF, 8RF, 9RF, and 10RF shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

D.1.**6** ~~5~~ Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

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

.....

Furnace Identification	Stack Tests Required	Time frame for stack testing
4RF	PM and PM10	Between the date of issuance of this permit (T067-5246-00065), and November 2004
either 2RF or 6RF	PM and PM10	Within 12 months after permit issuance (T067-5246-00065)
5RF	PM and PM10	Within 24 months after permit issuance (T067-5246-00065)
~~either 1ARF or 1BRF~~ **either SM1 or SM2**	PM10	~~Within 36 months after permit issuance (T067-5246-00065)~~ **Within 180 days of startup**

.....

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

D.1.**8** ~~7~~ Visible Emissions Notations

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

D.1.**9** ~~8~~ Record Keeping Requirements

(a) To document compliance with Condition D.1.7, the Permittee shall maintain daily records of the visible emission notations of the ten (10) furnaces stack exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation, (e.g. the process did not operate that day).

~~(a) To document compliance with Condition D.1.7, the Permittee shall maintain records of visible emission notations of the furnace stack exhausts once per day.~~

(b) To document compliance with Conditions D.1.1 and D.1.2, the Permittee shall maintain records of the **throughput of** metal remelted in each of the furnaces.

(c) To document compliance with Condition D.1.3, the Permittee shall maintain records of the throughput of metal melted/remelted and the amount of flux usage in each of the furnaces.

.....

D.1.**10** ~~9~~ Reporting Requirements

(a) A quarterly summary of the information to document compliance with Condition**s** D.1.2 **and D.1.3** shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting form located at the end of this permit, or its equivalent, within thirty (30) days after the end of the quarter being reported. The reports submitted by the Permittee do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

.....

Change 5 Condition D.3.9 has been revised to the new IDEM language.

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

D.3.9 Record Keeping Requirements

~~(a) To document compliance with Condition D.3.7, the Permittee shall maintain records of visible emission notations of the cartridge filters stack exhausts once per day.~~

(a) To document compliance with Condition D.3.7, the Permittee shall maintain daily records of the visible emission notations of the cartridge filter stack exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation, (e.g. the process did not operate that day).

~~(b) To document compliance with Condition D.3.8, the Permittee shall maintain records of the cartridge filters pressure once per day.~~

(b) To document compliance with Condition D.3.8 the Permittee shall maintain the daily records of the pressure drop across the cartridge filter controlling the four shotblast machines and the three wire mesh machines. The Permittee shall include

in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (e.g. the process did not operate that day).

Change 6 The source name which was formerly Daimler Chrysler Corporation LLC, Kokomo Casting Plant has been changed to the new source name, Chrysler LLC - Kokomo Casting Plant throughout the permit.

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 an aluminum die cast facility, including melt furnaces, machinery, cleaning and heat treating equipment to produce transmissions for use in automobiles and light-duty trucks.

Source Address:	~~Daimler~~Chrysler ~~Corporation~~ LLC, Kokomo Casting Plant 1001 East Boulevard, Kokomo, Indiana 46904
Source Address:	~~Daimler~~Chrysler ~~Corporation~~ LLC, Kokomo Transmission Plant

.....

A.2 Part 70 Source Definition [326 IAC 2-7-1(22)]

.....

Separate Part 70 permits are being issued to ~~Daimler~~Chrysler ~~Corporation~~ LLC - Kokomo Transmission Plant and ~~Daimler~~Chrysler ~~Corporation~~ LLC **-** Kokomo Casting Plant solely for administrative purposes. The Part 70 Permit No.: T067-6504-00065 for ~~Daimler~~Chrysler ~~Corporation~~ LLC - Kokomo Transmission Plant was issued on September 1, 1999.

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

PART 70 OPERATING PERMIT
CERTIFICATION

Source Name:	~~Daimler~~Chrysler ~~Corporation~~ LLC-Kokomo Casting Plant
Source Address:	Chrysler Kokomo Casting Plant 1001 East Boulevard, Kokomo, Indiana 46904
Source Address:	Chrysler Kokomo Transmission Plant 2401 S. Reed Road, Kokomo, Indiana 46904
Mailing Address:	1001 East Boulevard, Kokomo, Indiana 46904
Part 70 Permit No.:	067-5246-00065

Change 7 The stack melting furnaces have been added to the Part 70 quarterly report section and furnaces 1ARF and 1BRF have been deleted. The name of the source has been changed.

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

Source Name:	~~Daimler~~Chrysler ~~Corporation~~ LLC-Kokomo Casting Plant
Source Address:	Chrysler Kokomo Casting Plant 1001 East Boulevard, Kokomo, Indiana 46904
Source Address:	Chrysler Kokomo Transmission Plant 2401 S. Reed Road, Kokomo, Indiana 46904
Mailing Address:	1001 East Boulevard, Kokomo, Indiana 46904
Part 70 Permit No.:	**T**067-5246-00065
Facilities:	Furnaces ~~1ARF, 1BRF,~~ 2RF, 5RF and 6RF
Parameter:	amount of metal melted
Limits:	~~Furnaces 1ARF and 1BRF are limited to a combined total of 68,046 tons of metal per 12 consecutive month period;~~ Furnaces 5RF, 6RF, and 2RF are each limited to 109,482 tons of metal per 12 consecutive month period;

YEAR:

Month		Column 2	Column 3	Column 2 + Column 3
	Furnace Identification	This Month	Previous 11 Months	12 Month Total
Month 1	~~Furnaces 1ARF and 1BRF~~			
	Furnaces 5RF, 6RF, and 2RF			
Month 2	~~Furnaces 1ARF and 1BRF~~			
	Furnaces 5RF, 6RF, and 2RF			
Month 3	~~Furnaces 1ARF and 1BRF~~			
	Furnaces 5RF, 6RF, and 2RF			

.....

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

Source Name:	**Chrysler LLC-Kokomo Casting Plant**
Source Address:	**Chrysler Kokomo Casting Plant** **1001 East Boulevard, Kokomo, Indiana 46904**
Source Address:	**Chrysler Kokomo Transmission Plant** **2401 S. Reed Road, Kokomo, Indiana 46904**
Mailing Address:	**1001 East Boulevard, Kokomo, Indiana 46904**
Part 70 Permit No.:	**T067-5246-00065**
Facilities:	**Furnaces SM1 and SM2**
Parameter:	**amount of metal melted**
Limits:	**Furnaces SM1 and SM2 are limited to a combined total of 65,000 tons of metal per 12 consecutive month period;**

YEAR:

Month		**Column 2**	**Column 3**	**Column 2 + Column 3**
	Furnace Identification	**This Month**	**Previous 11 Months**	**12 Month Total**
Month 1	**SM1 and SM2**			
Month 2	**SM1 and SM2**			
Month 3	**SM1 and SM2**			

☐ **No deviation occurred in this quarter.**

☐ **Deviation/s occurred in this quarter.**
Deviation has been reported on:

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

Attach a signed certification to complete this report.

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

Source Name: Chrysler LLC-Kokomo Casting Plant
Source Address: Chrysler Kokomo Casting Plant
1001 East Boulevard, Kokomo, Indiana 46904
Source Address: Chrysler Kokomo Transmission Plant
2401 S. Reed Road, Kokomo, Indiana 46904
Mailing Address: 1001 East Boulevard, Kokomo, Indiana 46904
Part 70 Permit No.: T067-5246-00065
Facilities: Furnaces SM1 and SM2
Parameter: amount of flux
Limits: Furnaces SM1 and SM2 are limited to a combined total of 21,900 lb PM10 of Flux per twelve (12) consecutive month period.

YEAR:

Month		Column 2	Column 3	Column 2 + Column 3
	Furnace Identification	This Month	Previous 11 Months	12 Month Total
Month 1	SM1 and SM2			
Month 2	SM1 and SM2			
Month 3	SM1 and SM2			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

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

Attach a signed certification to complete this report.

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

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name:	~~Daimler~~Chrysler ~~Corporation~~ LLC-Kokomo Casting Plant
Source Address:	Chrysler Kokomo Casting Plant 1001 East Boulevard, Kokomo, Indiana 46904
Source Address:	Chrysler Kokomo Transmission Plant 2401 S. Reed Road, Kokomo, Indiana 46904
Mailing Address:	1001 East Boulevard, Kokomo, Indiana 46904
Part 70 Permit No.:	067-5246-00065

Conclusion and Recommendation

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Source Modification No. 067-25480-00065 and Significant Permit Modification No. 067-25504-00065. The staff recommends to the Commissioner that this Part 70 Significant Source and Significant Permit Modification be approved.

Appendix A: Emissions Calculations
Emission Summary

Source Name: Chrysler LLC - Kokomo Casting Plant
Source Location: 1001 East Boulevard, Kokomo, Indiana 46904
Permit Number: SSM067-25480-00065
Permit Reviewer: Josiah Balogun
Date: 3-Dec-07

Uncontrolled Potential Emissions

	PM (tons/yr)	PM_{10} (tons/yr)	SO_2 (tons/yr)	VOC (tons/yr)	CO (tons/yr)	NOx (tons/yr)	HAPs (tons/yr)
Emission Unit							
Two (2) Stack melting Furnaces	15.44	15.94	0.10	0.5	8.0	9.6	0.18
Total Emissions	15.44	15.94	0.10	0.50	8.00	9.60	0.18

Limited Potential Emissions

	PM (tons/yr)	PM_{10} (tons/yr)	SO_2 (tons/yr)	VOC (tons/yr)	CO (tons/yr)	NOx (tons/yr)	HAPs (tons/yr)
Emission Unit							
Two (2) Stack melting Furnaces	14.4	14.4	0.10	0.5	8.0	9.6	0.18
Total Emissions	14.4	14.4	0.10	0.5	8.0	9.6	0.18

Appendix A: Emission Calculations
Stack melting (SM1)

Company Name: Chrysler LLC - Kokomo Casting Plant
Plant Location: 1001 East Boulevard, Kokomo, Indiana 46904
Permit Number SSM067-25480-00065
Permit Reviewer: Josiah Balogun
Date 8-Oct-07

Process	Rate (tons/hr)	Pollutant	Ef (lb/ton produced)	Ebc (tons/yr)	Eac (tons/yr)	Type of Control	Control Efficiency (%)
Stack melting furnace	4.4	PM	0.391	6.91	6.91	None	0.00%
		PM-10	0.3910	6.91	6.91	None	
		SO2	0.00	0.00	0.00		
		NOx	0.00	0.00	0.00		
		VOC	0.00	0.00	0.00		
		CO	0.00	0.00	0.00		

Methodology

Uncontrolled Emissions = Capacity (tons/hr)*Emission Factor (lb/ton)*8760hrs/yr *1ton/2000lb

Controlled Emissions = Uncontrolled Emissions*(1- Control Efficiency)
Emission Factor is based on stack testing performed on # 4 Furnace in 1999.

Appendix A: Emission Calculations
Stack melting (SM2)

Company Name: Chrysler LLC - Kokomo Casting Plant
Plant Location: 1001 East Boulevard, Kokomo, Indiana 46904
Permit Number SSM067-25480-00065
Permit Reviewer: Josiah Balogun
Date 3-Dec-07

Process	Rate (tons/hr)	Pollutant	Ef (lb/ton produced)	Ebc (tons/yr)	Eac (tons/yr)	Type of Control	Control Efficiency (%)
Stack melting Furnace	4.4	PM	0.391	6.91	6.91	none	none
		PM-10	0.391	6.91	6.91	none	none
		SO2	0	0.00	0.00		
		NOx	0	0.00	0.00		
		VOC	0	0.00	0.00		
		CO	0	0.00	0.00		

Methodology

Uncontrolled Emissions = Capacity (tons/hr)*Emission Factor (lb/ton)*8760hrs/yr *1ton/2000lb

Controlled Emissions = Uncontrolled Emissions*(1- Control Efficiency)
Emission Factor is based on stack testing performed on # 4 Furnace in 1999.

Fluxing emission rate for both furnaces (per unit)

3.88 lb/hr X 1/30 lb/flux = 0.129 lb /lb
21,900 lb/yr X 0.129 lb/lb X 1ton/2000 lb = 1.42 tons of flux/yr

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
2 Stack Melting Furnaces

Company Name: Chrysler LLC - Kokomo Casting Plant
Address City IN Zip: 1001 East Boulevard, Kokomo, Indiana 46904
Permit Number: SSM067-25480-00065
Reviewer: Josiah Balogun
Date: 3-Dec-07

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
21.9	191.5

	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	0.6	100.0 **see below	5.5	84.0
Potential Emission in tons/yr	0.2	0.7	0.1	9.6	0.5	8.0

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

Methodology

All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
See page 5 for HAPs emissions calculations.

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
2 Stack Melting Furnaces
HAPs Emissions

Company Name: Chrysler LLC - Kokomo Casting Plant
Address City IN Zip: 1001 East Boulevard, Kokomo, Indiana 46904
Permit Number: SSM067-25480-00065
Reviewer: Josiah Balogun
Date: 3-Dec-07

	HAPs - Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	2.011E-04	1.149E-04	7.181E-03	1.723E-01	3.255E-04

	HAPs - Metals				
	Lead	Cadmium	Chromium	Manganese	Nickel
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	4.787E-05	1.053E-04	1.340E-04	3.638E-05	2.011E-04

Methodology is the same as page 4.

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