INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

TO: Interested Parties / Applicant

DATE: August 1, 2013

RE: Chrysler Group, LLC – Kokomo Casting Plant / 067-33120-00065

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

Notice of Decision: Approval - Effective Immediately

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

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

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

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

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

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

Enclosures
FNPER.dot 6/13/13

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Kristin Jarrett
Chrysler Group, LLC - Kokomo Casting Plant
1001 East Boulevard
Kokomo, IN 46904

August 1, 2013

Re: 067-33120-00065
Significant Source Modification to
Part 70 Renewal No.: T067-25272-00065

Dear Ms. Jarrett:

Chrysler Group, LLC - Kokomo Casting Plant was issued a Part 70 Operating Permit Renewal No. T067-25272-00065 on January 5, 2009 for a stationary aluminum die cast plant located at 1001 East Boulevard, Kokomo, Indiana. An application to modify the source was received on April 25, 2013. Pursuant to the provisions of 326 IAC 2-7-10.5, a significant source modification to this permit is hereby approved as described in the attached Technical Support Document.

Pursuant to 326 IAC 2-7-10.5, the following emission units are approved for construction at the source:

(a) Seven (7) dry deburring systems, identified as Dry Deburr 1 - 7, each with one (1) station for handling parts, one (1) station for drilling and tapping parts, and four (4) stations for processing parts through milling and brushing heads, approved in 2013 for construction, with emissions uncontrolled, and exhausting within the plant.

(b) Two (2) Wheelabrator rotary shot blast units, identified as DC-10 and DC-11, approved in 2013 for construction, each with a maximum shot blast rate of 135,000 pounds per hour, with particulate emissions controlled by cartridge filters.

The following construction conditions are applicable to the proposed modification:

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.

Commenced Construction

4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(j), 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(m), 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.

Approval to Construct

7. Pursuant to 326 IAC 2-7-10.5(h)(2), this significant source modification authorizes the construction of the new emission unit(s), when the significant source modification has been issued.

Pursuant to 326 IAC 2-7-12, operation of the new emission unit(s) is not approved until the significant permit modification has been issued. Operating conditions are incorporated into the Part 70 operating permit as a significant permit modification in accordance with 326 IAC 2-7-10.5(m)(2) and 326 IAC 2-7-12 (Permit Modification).

For your convenience, the entire Part 70 Operating Permit Renewal as modified is attached.

A copy of the permit is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

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 Laura Spriggs, of my staff, at 317-233-5693 or 1-800-451-6027, and ask for extension 3-5693.

Sincerely,

Jason R. Krawczyk, Section Chief
Permits Branch
Office of Air Quality

Attachments: Updated Permit, Technical Support Document, Calculations

JK/lss

cc: File - Howard County
Howard County Health Department
U.S. EPA, Region V
Compliance and Enforcement Branch

John Schneider
GZA GioEnvironmental, Inc.
19500 Victor Parkway
Livonia, MI 48152

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Significant Source Modification to a Part 70 Source

OFFICE OF AIR QUALITY

Chrysler Group, LLC - Kokomo Casting Plant
1001 East Boulevard
Kokomo, Indiana 46904

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-7-10.5, applicable to those conditions.

Significant Source Modification No.: 067-33120-00065	
Issued by: Jason R. Krawczyk, Section Chief Permits Branch, Office of Air Quality	Issuance Date: August 1, 2013

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SECTION A SOURCE SUMMARY

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

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary aluminum die cast plant. The Chrysler, LLC Kokomo Transmission Plant and Chrysler, LLC Kokomo Casting Plant are considered a single Title V major source. The combined source ID for the source is 067-00065.

Source Address:	1001 East Boulevard, Kokomo, Indiana 46904
General Source Phone Number:	248-512-1104
SIC Code:	3363 (Aluminum Die Castings)
County Location:	Howard
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD Rules Minor Source, Section 112 of the Clean Air Act Nested Source with fossil fuel fired boilers totaling more than two hundred fifty million (250,000,000) British thermal units per hour heat input, as 1 of 28 Source Categories, within a non-listed source

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(14)]

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, constructed in 2008, 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, constructed in 2008, 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 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.

(f) One (1) natural gas-fired aluminum reverberatory furnace, identified as 7RF with no remelt capability and a maximum average throughput of ten (10) tons per hour, 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.

(g) One (1) natural gas-fired aluminum reverberatory furnace, identified as 8RF with no remelt capability and a maximum average throughput of ten (10) tons per hour, 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.

(h) One (1) natural gas-fired aluminum reverberatory furnace, identified as 9RF with no remelt capability and a maximum average throughput of ten (10) tons per hour, 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.

(i) One (1) natural gas-fired aluminum reverberatory furnace, identified as 10RF, with no remelt capability and a maximum average throughput of ten (10) tons per hour, 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.

(j) One (1) Mesh Belt shotblast machine, identified as DC2, constructed in 1997, with a maximum shotblast rate of 168,000 pounds per hour (84 ton per hour), with emissions controlled by a cartridge filter.

(k) One (1) Tumbleblast shotblast machine, identified as DC5, constructed in 2000, with a maximum shotblast rate of 40,000 pounds per hour (20 ton per hour), with emissions controlled by cartridge filter.

(l) 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 (87.38 ton per hour), with emissions controlled by a cartridge filter.

(m) 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 (87.38 ton per hour), with emissions controlled by a cartridge filter.

(n) 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 (87.38 ton per hour), with emissions controlled by a cartridge filter approved for modification in 2012, exhausting to Stack DC8.

(o) One (1) Wheelabrator rotary table work machine used for deburring of parts, identified as DC9, permitted in 2010, with a maximum shotblast rate of 135,000 pounds per hour, using a cartridge filter as control.

(p) Two (2) Wheelabrator rotary shotblast units, identified as DC-10 and DC-11, approved in 2013 for construction, each with a maximum shotblast rate of 135,000 pounds per hour, with particulate emissions controlled by cartridge filters.

(q) 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.

(r) 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.

3BLR is considered an affected facility under 40 CFR 60 Subpart Dc, the Permittee shall comply with the provisions of Standard of Performance for Small Industrial-Commercial Institutional Steam Generating Units.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(14)]

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

(a) Die casting machines, identified as DCAST1, 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.

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

(h) Seven (7) dry deburring systems, identified as Dry Deburr 1 - 7, each with one (1) station for handling parts, one (1) station for drilling and tapping parts, and four (4) stations for processing parts through milling and brushing heads, approved in 2013 for construction, with emissions uncontrolled, and exhausting within the plant.

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

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

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

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

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

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

(a) This Permit, T067-25272-00065, is issued for a fixed term of five (5) years, 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.

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

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

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

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability [326 IAC 2-7-7] [IC 13-17-12]

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

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

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

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

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

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

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

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

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

(a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:

(1) it contains a certification by a "responsible official", as defined by 326 IAC 2-7-1 (35), and

(2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) The Permittee may use the attached Certification Form, or its equivalent, 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(35).

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

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

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

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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]

(a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

(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.

The Permittee shall implement the PMPs.

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

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

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

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

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

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

The Permittee shall implement the PMPs.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

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

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

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

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

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

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

Office of Air Quality, Compliance and Enforcement Branch
Telephone Number: 1-800-451-6027 or 317-233-0178
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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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)(8) 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.

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

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

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

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

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the

permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

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

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

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

(a) All terms and conditions of permits established prior to T067-25272-00065 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised under 326 IAC 2-7-10.5, or

(3) deleted under 326 IAC 2-7-10.5.

(b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

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

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

B.15 Reserved

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

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit.

[326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

(1) That this permit contains a material mistake.

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

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

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

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

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

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(42). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Request for renewal shall be submitted to:

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

(b) A timely renewal application is one that is:

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

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

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if,

subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

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

(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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official", as defined by 326 IAC 2-7-1(35).

(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 or notice shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

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

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b) or (c) 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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 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)(1) and (c)(1). 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) and (c)(1).

(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(37)) 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

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

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

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

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

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

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

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

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

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

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

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

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

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

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

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

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

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

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

(a) Opacity shall not exceed an average of 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.

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

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

C.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 by using ambient air quality modeling pursuant to 326 IAC 1-7-4. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

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

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

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

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

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

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

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

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-52 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 that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

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

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

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

C.7 Performance Testing [326 IAC 3-6]

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

Compliance Requirements [326 IAC 2-1.1-11]

C.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)] [40 CFR 64][326 IAC 3-8]

(a) Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial startup, whichever is later, 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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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.

(b) For monitoring required by CAM, at all times, the Permittee shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

(c) For monitoring required by CAM, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the Permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

C.10 Reserved

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 shall maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.

(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(11)] [40 CFR 68]

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

C.14 Response to Excursions or Exceedances [40 CFR 64][326 IAC 3-8] [326 IAC 2-7-5] [326 IAC 2-7-6]

(l) Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation, not subject to CAM, in this permit:

(a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to

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

(b) The response shall include minimizing the period of any startup, shutdown or malfunction The response may include, but is not limited to, the following:

(1) initial inspection and evaluation;

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

(3) any necessary follow-up actions to return operation to normal or usual manner of operation.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

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

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall record the reasonable response steps taken.

(II)

(a) CAM *Response to excursions or exceedances.*

(1) Upon detecting an excursion or exceedance, subject to CAM, the Permittee shall restore operation of the pollutant-specific emissions unit (including the 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. 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). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or 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.

(2) 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, monitoring results, review of operation and maintenance procedures and records,

and inspection of the control device, associated capture system, and the process.

(b) If the Permittee identifies a failure to achieve compliance with an emission limitation, subject to CAM, or standard, subject to CAM, for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the Permittee shall promptly notify the IDEM, OAQ and, if necessary, submit a proposed significant permit modification to this permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

(c) Based on the results of a determination made under paragraph (II)(a)(2) of this condition, the EPA or IDEM, OAQ may require the Permittee to develop and implement a QIP. The Permittee shall develop and implement a QIP if notified to in writing by the EPA or IDEM, OAQ.

(d) Elements of a QIP:
The Permittee shall maintain a written QIP, if required, and have it available for inspection. The plan shall conform to 40 CFR 64.8 b (2).

(e) If a QIP is required, the Permittee shall develop and implement a QIP as expeditiously as practicable and shall notify the IDEM, OAQ if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(f) Following implementation of a QIP, upon any subsequent determination pursuant to paragraph (II)(a)(2) of this condition the EPA or the IDEM, OAQ may require that the Permittee make reasonable changes to the QIP if the QIP is found to have:

(1) Failed to address the cause of the control device performance problems; or

(2) Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(g) Implementation of a QIP shall not excuse the Permittee from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.

(h) CAM recordkeeping requirements.

(1) The Permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to paragraph (II)(a)(2) of this condition and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this condition (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Section C - General Record Keeping Requirements of this permit contains the Permittee's obligation with regard to the

records required by this condition.

(2) Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements.

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 submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.

(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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]

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 (33) (“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
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following:

(AA) All calibration and maintenance records.

(BB) All original strip chart recordings for continuous monitoring instrumentation.

(CC) Copies of all reports required by the Part 70 permit.

Records of required monitoring information include the following:

(AA) The date, place, as defined in this permit, and time of sampling or measurements.

(BB) The dates analyses were performed.

(CC) The company or entity that performed the analyses.

(DD) The analytical techniques or methods used.

(EE) The results of such analyses.

(FF) The operating conditions as existing at the time of sampling or measurement.

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

(b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

(c) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A), 326 IAC 2-2-8 (b)(6)(B), 326 IAC 2-3-2 (l)(6)(A), and/or 326 IAC 2-3-2 (l)(6)(B)) that a “project” (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a “major modification” (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:

(1) Before beginning actual construction of the “project” (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) 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(pp)(2)(A)(iii) and/or 326 IAC 2-3-1 (kk)(2)(A)(iii); and

(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

(d) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A) and/or 326 IAC 2-3-2 (l)(6)(A)) that a "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:

(1) 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

(2) 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] [40 CFR 64][326 IAC 3-8]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that 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. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1)by a "responsible official" as defined by 326 IAC 2-7-1(35). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

On and after the date by which the Permittee must use monitoring that meets the requirements of 40 CFR Part 64 and 326 IAC 3-8, the Permittee shall submit CAM reports to the IDEM, OAQ.

A report for monitoring under 40 CFR Part 64 and 326 IAC 3-8 shall include, at a minimum, the information required under paragraph (a) of this condition and the following information, as applicable:

(1) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;

(2) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and

(3) A description of the actions taken to implement a QIP during the reporting period as specified in Section C-Response to Excursions or Exceedances. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

The Permittee may combine the Quarterly Deviation and Compliance Monitoring Report and a report pursuant to 40 CFR 64 and 326 IAC 3-8.

(b) The address for report submittal is:

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

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

(e) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C.17 - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (oo) and/or 326 IAC 2-3-1 (jj)) 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.17- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C.17- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (ww) and/or 326 IAC 2-3-1 (pp), for that regulated NSR pollutant, and

(2) The emissions differ from the preconstruction projection as documented and maintained under Section C.17- General Record Keeping Requirements (c)(1)(C)(ii).

(f) The report for a project at an existing emissions unit shall be submitted no later than 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 (d)(1) and (2) 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 wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.

Reports required in this part shall be submitted to:

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

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

Stratospheric Ozone Protection

C.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 applicable standards for recycling and emissions reduction.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(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, constructed in 2008, 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, constructed in 2008, 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 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.

(f) One (1) natural gas-fired aluminum reverberatory furnace, identified as 7RF with no remelt capability and a maximum average throughput of ten (10) tons per hour, 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.

(g) One (1) natural gas-fired aluminum reverberatory furnace, identified as 8RF with no remelt capability and a maximum average throughput of ten (10) tons per hour, 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.

(h) One (1) natural gas-fired aluminum reverberatory furnace, identified as 9RF with no remelt capability and a maximum average throughput of ten (10) tons per hour, 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.

(i) One (1) natural gas-fired aluminum reverberatory furnace, identified as 10RF, with no remelt capability and a maximum average throughput of ten (10) tons per hour, 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 emissions unit description box is descriptive information and does not constitute enforceable conditions.)

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

D.1.1 PSD Minor Limit [326 IAC 2-2]

(a) Pursuant to Significant Permit Modification No. 067-25504-00065, issued on February 25, 2008:

(1) 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.

(2) 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.

(3) 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.

(4) During fluxing operations, the total PM_{10} emissions 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 2008 modification .

(b) Pursuant to the operating permit T067-5246-00065 issued on June 30, 2003 and revised by Operating Permit T067-25272-00065:

(1) The total annual flux usage to the Reverberatory Furnaces, identified as 9RF and 10RF shall be less than 21,960 pounds per twelve (12) consecutive month period, each, with compliance determined at the end of the month.

(2) During fluxing operations the total PM emissions from the Reverberatory Furnaces, identified as 9RF and 10RF shall be less than 0.9 lb of PM /lb of flux, each.

(3) During fluxing operations the total PM_{10} emissions from the Reverberatory Furnaces, identified as 9RF and 10RF shall be less than 0.45 lb of PM10 /lb of flux, each.

Compliance with these limits will limit the PM and PM_{10} emissions from the Reverberatory furnaces, identified as 9RF and 10RF to less than 25 and 15 tons per year and render the requirements of 326 IAC 2-2 (PSD) not applicable to 1998 modification.

(c) Pursuant to the operating permit T067-5246-00065 issued on June 30, 2003 and revised by Operating Permit T067-25272-00065:

(1) The total annual flux usage to the Reverberatory Furnaces, identified as 7RF and 8RF shall be less than 21,960 pounds per twelve (12) consecutive month period, each, with compliance determined at the end of the month.

(2) During fluxing operations the total PM emissions from the Reverberatory Furnaces, identified as 7RF and 8RF shall be less than 0.9 lb of PM /lb of flux, each.

(3) During fluxing operations the total PM_{10} emissions due to flux usage from the Reverberatory Furnaces, identified as 7RF and 8RF shall be less than 0.45 lb of PM10 /lb of flux, each.

Compliance with these limits will limit the PM and PM_{10} emissions from the Reverberatory Furnaces, identified as 7RF and 8RF to less than 25 and 15 tons per year and render the requirements of 326 IAC 2-2 (PSD) not applicable to the 1995 modification.

(d) Pursuant to the operating permit T067-5246-00065 issued on June 30, 2003 and revised by Operating Permit T067-25272-00065:

(1) The total metal remelted to the Reverberatory Furnace, identified as 4RF shall be less than 56,940 tons per twelve (12) consecutive month period, with compliance determined at the end of the month.

(2) The total PM emissions from the Reverberatory Furnace, identified as 4RF shall be less than 0.875 lb of PM/ton of metal remelted.

(3) The total PM_{10} emissions from the Reverberatory Furnace, identified as 4RF shall be less than 0.525 lb of PM_{10}/ton of metal remelted.

Compliance with this limit, will limit the PM and PM_{10} emissions from the Reverberatory Furnace, identified as 4RF to less than 25 and 15 tons per year, respectively and render 326 IAC 2-2 (PSD) not applicable to this emission unit.

D.1.2 Nonattainment NSR [326 IAC 2-1.1-5]

The permittee shall comply with the following:

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

(b) The particulate matter (PM) emissions from the furnace, identified as 6RF shall not exceed 0.63 grains per dry standard cubic foot and 36.2 tons per year.

Compliance with the above limits will limit the PM emissions from furnaces 2RF and 6RF to less than 100 tons per twelve (12) consecutive month period, each and will render 326 IAC 2-1.1-5 (Nonattainment NSR) not applicable to the 1983 and 1984 modification.

D.1.3 Hazardous Air Pollutants (HAPs) Minor Limit [40 CFR 63]

Pursuant to Significant Permit Modification No. 067-22771-00065, issued on July 11 2006 and revised by Operating Permit T067-25272-00065 , 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:

(a) The total metallic HAPs content of the metals introduced into the stack melting/ reverberatory furnaces, identified as SM1, SM2, and 2RF, 4RF, 6RF through 10RF, shall not exceed one percent (1.0%), by weight, with compliance determined at the end of each month.

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

Emission Units	PM Limit (lb/ton of metal)	PM10 Limit (lb/ton of metal)
SM1 and SM2	0.4	0.4
2RF and 6RF	0.457	-
4RF	0.875	0.525

Emission Units	PM Limit (lb/lb of flux)	PM10 Limit (lb/lb of flux)
7 RF and 8RF	0.9	0.45
9RF and 10RF	0.9	0.45

Compliance with the above limits, when combined with the production limits in Condition D.1.1 and the HAPs emissions from other emission units, will ensure the HAPs emissions from the stack melting/reverberatory furnaces are less then 3.66 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 Group LLC - Kokomo Transmission Plant (Part 70 Operating Permit Renewal No. T067-18292-00065), and

(b) Chrysler Group LLC - Kokomo Casting Plant (Part 70 Operating Permit Renewal No. T067-25272-00065).

D.1.4 Particulate Matter Emission Limitations [326 IAC 6.5-5-2]

Pursuant to 326 IAC 6.5-5-2, the Permittee shall comply with the following:

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

(b) The particulate matter (PM) emissions from the furnace, identified as 6RF shall not exceed 0.63 grains per dry standard cubic foot and 36.2 tons per year.

D.1.5 Particulate Matter Emission Limitations [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a), (Particulate Matter Limitations Except Lake County), 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.

D.1.6 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan (PMP) is required for the units in this section. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

D.1.7 Secondary Aluminum Production [40 CFR 63, Subpart RRR][326 IAC 2-2]

The Permittee shall melt only clean charge, customer returns, or internal scrap, as defined under 40 CFR 63.1503, in the seven (7) reverberatory furnaces and two (2) stack melt furnaces. Compliance with the above Condition renders the provisions of 40 CFR 63, Subpart RRR and 326 IAC 2-2-1(gg), not applicable to the source.

Compliance Determination Requirements

D.1.8 Testing Requirements [326 IAC 2-7-6(1)][326 IAC 2-1.1-11]

(a) In order to determine compliance with Conditions D.1.1(d)(2) and (3) and D.1.5, the Permittee shall perform PM and PM_{10} testing by August 2010 on Reverberatory Furnace, identified as 4RF utilizing methods as approved by the Commissioner. Testing shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration.

(b) In order to determine compliance with Conditions D.1.2 and D.1.3, the Permittee shall perform PM testing by September 2009 on Reverberatory Furnaces, identified as 2RF or 6RF utilizing methods as approved by the Commissioner. Testing shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration.

(c) Within one hundred and eighty (180) days of startup (as stated in SPM 067-25504-00065, issued on February 25, 2008, in order to determine compliance with Conditions D.1.1(a)(4) and D.1.4, the Permittee shall perform PM_{10} testing on Stack melting furnace, identified as SM1 or SM2 (during fluxing operations) utilizing methods as approved by the Commissioner. Testing shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration.

(d) Within one hundred and eighty (180) days of startup (as stated in SPM 067-25504-00065, issued on February 25, 2008, in order to determine compliance with Conditions D.1.1(a)(2) and D.1.4, the Permittee shall perform PM_{10} testing on Stack melting furnace, identified as SM1 or SM2 (when not conducting fluxing operation) utilizing methods as approved by the Commissioner. Testing shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration.

(e) In order to determine compliance with Conditions D.1.1(b)(2 and 3), D.1.1(c)(2 and 3) and D.1.4, the Permittee shall perform PM and PM_{10} testing by November 2010 on one of the Reverberatory Furnaces, identified as 7 RF, 8 RF, 9RF and 10RF (during fluxing operations) utilizing methods as approved by the Commissioner. Testing shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration.

(f) In order to determine compliance with Condition D.1.3, the Permittee shall test each pot of molten metal introduced into the stack melting/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,

(g) 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.

Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

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

D.1.9 Visible Emissions Notations

(a) Visible emission notations of all 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. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

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

D.1.10 Record Keeping Requirements

(a) To document the compliance status with Condition D.1.9 - Visible Emission Notation, the Permittee shall maintain daily records of the visible emission notations of the furnace exhaust stacks. 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 the compliance status with Conditions D.1.2 the Permittee shall maintain records of annual particulate matter (PM) emissions in each of the furnace.

(c) To document the compliance status with Condition D.1.1(a)(1) and (a)(3), the Permittee shall maintain records of metal melted/remelted and the amount of flux usage in each of the furnace, respectively.

(d) To document the compliance status with Condition D.1.1(b)(1), the Permittee shall maintain records the amount of flux usage in each of the furnace.

(e) To document the compliance status with Condition D.1.1(c)(1), the Permittee shall maintain records the amount of flux usage in each of the furnace.

(f) To document the compliance status with Conditions D.1.1(d)(1) the Permittee shall maintain records of metal remelted in the reverberatory furnace, identified as 4RF.

(g) To document the compliance status with the Condition D.1.3, the Permittee shall maintain records of the results of the test analysis performed by the facility or vendor required by D.1.7(f) or (g).

(h) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the record keeping required by this condition.

D.1.11 Reporting Requirements

(a) A quarterly summary of the information to document the compliance status with Conditions D.1.1(a)(1), D.1.1(b)(1), D.1.1(c)(1), D.1.1(d)(1) and D.1.2 shall be submitted, using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The reports submitted by the Permittee do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(b) A summary of the information to document the compliance status with Condition D.1.3 shall be submitted upon request. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The reports submitted by the Permittee do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(j) One (1) Mesh Belt shotblast machine, identified as DC2, constructed in 1997, with a maximum shotblast rate of 168,000 pounds per hour (84 ton per hour), with emissions controlled by a cartridge filter.

(k) One (1) Tumbleblast shotblast machine, identified as DC5, constructed in 2000, with a maximum shotblast rate of 40,000 pounds per hour (20 ton per hour), with emissions controlled by cartridge filter.

(l) 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 (87.38 ton per hour), with emissions controlled by a cartridge filter.

(m) 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 (87.38 ton per hour), with emissions controlled by a cartridge filter

(n) 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 (87.38 ton per hour), with emissions controlled by a cartridge filter approved for modification in 2012, exhausting to Stack DC8.

(o) One (1) Wheelabrator rotary table work machine used for deburring of parts, identified as DC9, permitted in 2010, with a maximum shotblast rate of 135,000 pounds per hour, using a cartridge filter as control.

(p) Two (2) Wheelabrator rotary shotblast units, identified as DC-10 and DC-11, approved in 2013 for construction, each with a maximum shotblast rate of 135,000 pounds per hour, with particulate emissions controlled by cartridge filters.

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

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

D.2.1 PSD Minor Limits [326 IAC 2-2]

The Permittee shall comply with the following:

(a) The PM emissions from the mesh belt shotblaster, identified as DC2, shall not exceed 3.9 pounds per hour. Compliance with this limit will limit the PM emissions to less than twenty-five (25) tons of per year and render the requirements of 326 IAC 2-2 (PSD) not applicable to 1997 modification.

(b) The PM_{10} emissions from the mesh belt shotblaster, identified as DC2, shall not exceed 1.62 pounds per hour. Compliance with this limit will limit the PM_{10} emissions to less than fifteen (15) tons of per year and render the requirements of 326 IAC 2-2 (PSD) not applicable to 1997 modification.

(c) The total PM emissions from the mesh shotblast, identified as DC4 shall not exceed 5.4 pounds per hour. Compliance with this limit will limit the PM emissions to less than twenty-five (25) tons of per year and render the requirements of 326 IAC 2-2 (PSD) not

applicable to 1999 modification.

(d) The PM_{10} emissions from the mesh shotblast, identified as DC4 shall not exceed 3.12 pounds per hour. Compliance with this limit will limit the PM_{10} emissions to less than fifteen (15) tons of per year and render the requirements of 326 IAC 2-2 (PSD) not applicable to 1999 modification.

(e) The total PM emissions from the Tumbleblast shotblast machine, identified as DC5 shall not exceed 4.64 pounds per hour. Compliance with this limit will limit the PM emissions to less than twenty-five (25) tons of per year and render the requirements of 326 IAC 2-2 (PSD) not applicable to 2000 modification.

(f) The PM_{10} emissions from the Tumbleblast shotblast machine, identified as DC5 shall not exceed 2.36 pounds per hour. Compliance with this limit will limit the PM_{10} emissions to less than fifteen (15) tons of per year and render the requirements of 326 IAC 2-2 (PSD) not applicable to 2000 modification.

(g) The total PM emissions from the mesh shotblast machine, identified as DC7 shall not exceed 2.85 pounds per hour. Compliance with this limit will limit the PM emissions to less than twenty-five (25) tons of per year and render the requirements of 326 IAC 2-2 (PSD) not applicable to 2005 modification.

(h) The PM_{10} emissions from the mesh shotblast machine, identified as DC7 shall not exceed 1.71 pounds per hour. Compliance with this limit will limit the PM_{10} emissions to less than fifteen (15) tons of per year and render the requirements of 326 IAC 2-2 (PSD) not applicable to 2005 modification.

(i) The total PM emissions from the mesh shotblast machine, identified as DC8 shall not exceed 2.85 pounds per hour. Compliance with this limit will limit the PM emissions to less than twenty-five (25) tons of per year and render the requirements of 326 IAC 2-2 (PSD) not applicable to 2005 modification.

(j) The PM_{10} emissions from the mesh shotblast machine, identified as DC8 shall not exceed 1.71 pounds per hour. Compliance with this limit will limit the PM_{10} emissions to less than fifteen (15) tons of per year and render the requirements of 326 IAC 2-2 (PSD) not applicable to 2005 modification.

(k) The PM emission rate from the one (1) Wheelabrator rotary table work machines, identified as DC9, controlled by a cartridge filter, shall not exceed 2.85 pounds per hour.

(l) The PM_{10} emission rate from the one (1) Wheelabrator rotary table work machines, identified as DC9, controlled by a cartridge filter, shall not exceed 1.70 pounds per hour.

(m) The PM emissions from the two (2) Wheelabrator rotary shotblast units, identified as DC-10 and DC-11, shall not exceed 0.304 pounds per hour for each unit.

(n) The PM10 emissions from the two Wheelabrator rotary shotblast units, identified as DC-10 and DC-11, shall not exceed 0.304 pounds per hour for each unit.

(o) The PM2.5 emissions from the two (2) Wheelabrator rotary shotblast units, identified as DC-10 and DC-11, shall not exceed 0.304 pounds per hour for each unit.

D.2.2 Hazardous Air Pollutants (HAPs) Minor Limit [40 CFR 63]

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 Permittee shall comply to the following:

(1) The total metallic HAP content of the shot used by the shotblast machines and wire mesh machines, identified as DC2, DC4, DC5, DC7, DC8, DC9, DC-10 and DC-11 shall not exceed 0.0175 pound of total metallic HAPs per pound of shot.

(2) The particulate emissions (PM/PM_{10}) from the shotblast and wire mesh machines shall not exceed the following:

Emission Units	PM Limit (lb/hr)	PM10 Limit (lb/hr)
DC2 and DC6	3.9 (combined)	1.62 (combined)
DC4	5.40	3.12
DC5	4.64	2.36
DC7 and DC8	2.85 (each)	1.71 (each)
DC9	2.85	1.70
DC-10 and DC-11	0.304 (each)	0.304 (each)

Compliance with the above limits will ensure that the total metallic HAPs emitted as PM and PM_{10} from the shotblast and wire mesh machines are less than 1.77 ton per twelve (12) consecutive month period.

(3) These limits will ensure that the single HAP emissions are less than ten (10) tons per year and total HAP emissions are less than twenty-five (25) tons per year, when including HAP emissions from the following:

(A) Chrysler Group LLC - Kokomo Transmission plant (Part 70 Operating Permit Renewal No. T067-18292-00065).

(B) Chrysler Group LLC - Kokomo Casting plant (Part 70 Operating Permit Renewal No. T067-25272-00065).

D.2.3 Particulate Matter Emission Limitations [362 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a), (Particulate Matter Limitations Except Lake County), the particulate matter (PM) emissions from the cartridge filters controlling each of the shotblast machines, identified as DC2 (Mesh belt shotblast machine), DC5 (Tumbleblast), DC4 (Wire mesh shotblast), DC7 (Wire mesh shotblast), DC8 (Wire mesh shotblast machine), DC9 (Wheelabrator rotary work table shotblast machine), DC-10 (Wheelabrator rotary shotblast unit), and DC-11 (Wheelabrator rotary shotblast unit), shall not exceed 0.03 grains per dry standard cubic foot each.

D.2.4 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan (PMP) is required for the units in this section and their control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.2.5 Particulate Matter (PM)

(a) In order to ensure compliance with Conditions D.2.1 and D.2.3, the cartridge filters for particulate control shall be in operation at all times when DC2 (Mesh belt shotblast machine), DC5 (Tumbleblast), DC4 (Wire mesh shotblast), DC7 (Wire mesh shotblast), DC8 (Wire mesh shotblast machine), DC9 (Wheelabrator rotary work table shotblast machine), DC-10 (Wheelabrator rotary shotblast unit), and DC-11 (Wheelabrator rotary shotblast unit) are in operation.

(b) 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.

D.2.6 Testing Requirements [326 IAC 2-7-6(1)][326 IAC 2-1.1-11]

(a) In order to demonstrate compliance with Conditions D.2.1 and D.2.3, the Permittee shall perform PM and PM_{10} testing by April 2011 on wire mesh shotblast machine, identified as DC4 and the cartridge filter controlling emissions from the wire mesh shotblast machine utilizing methods as approved by the Commissioner. Testing shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration.

(b) In order to demonstrate compliance with Conditions D.2.1, D.2.2 and D.2.3, the Permittee shall perform PM and PM_{10} testing on one (1) wire mesh shotblast machine, DC7 or DC8, or the Wheelabrator rotary work table shotblast machine, DC9, at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be alternated between DC7, DC8, and DC9 such that each shotblast machine is tested once every fifteen (15) years.

(c) In order to demonstrate compliance with Conditions D.2.1 and D.2.3, the Permittee shall perform PM and PM_{10} testing by June 2012 on the mesh belt shotblast machine, identified as DC2 and the cartridge filter controlling emissions from the mesh shotblast machine utilizing methods as approved by the Commissioner. Testing shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration.

(d) In order to demonstrate compliance with Conditions D.2.1, D.2.2, and D.2.3, the Permittee shall perform PM, PM10, and PM2.5 testing on one (1) of the Wheelabrator rotary shotblast units, DC-10 or DC-11, not later than 180 days after initial startup, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be alternated between DC-10 and DC-11 such that each shotblast unit is tested once every ten (10) years.

Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition. PM10 and PM2.5 include filterable and condensable PM.

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

D.2.7 Visible Emissions Notations [40 CFR 64]

(a) Visible emission notations of all 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. Observation of abnormal emissions that do not violate an applicable opacity limit is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit. Section C – Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition.

Compliance with these requirements shall satisfy 40 CFR 64, CAM, for DC2, DC5, DC4, DC7, and DC8.

D.2.8 Parametric Monitoring [40 CFR 64]

The Permittee shall record the pressure drop across the cartridge filters used in conjunction with the shotblast machines, at least once per day when the shotblast machines are in operation. When for any one reading, the pressure drop across the cartridges are outside the normal range, the Permittee shall take a reasonable response. The normal range for these units is a pressure drop between 0.5 and 6.0 inches of water unless a different upper-bound or lower-bound value for this range is determined during the latest stack test. Section C- Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered deviation from the 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 or replaced at least once every six (6) months.

Compliance with this requirement shall satisfy 40 CFR 64, CAM, for DC2, DC5, DC4, DC7, and DC8.

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

D.2.9 Record Keeping Requirements

(a) To document the compliance status with the Condition D.2.2, 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 Chrysler LLC HAZCON sheets, detailing the alloy composition tested value, are an acceptable equivalent.

(b) To document the compliance status with Condition D.2.7 - Visible Emission Notations, the Permittee shall maintain daily records of the visible emission notations of the cartridge filter stack exhausts. The Permittee shall include in its daily records 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).

(c) To document the compliance status with Condition D.2.8 - Parametric Monitoring, the Permittee shall maintain daily records of the pressure drops across the cartridge filters controlling the shotblast machines and the wire mesh machines. The Permittee shall include in its daily records 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).

(d) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the record keeping required by this condition.

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(q) 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.

(r) 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 emissions unit description box is descriptive information and does not constitute enforceable conditions.)

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

D.3.1 Particulate Matter Emission Limitations [362 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(b)(3), (Particulate Matter Limitations Except Lake County), the particulate matter (PM) emissions from each of the boilers, identified as 2BLR and 3BLR shall not exceed 0.01 grains per dry standard cubic foot.

SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Specifically Regulated Insignificant Activities

(a) Die casting machines, identified as DCAST1, 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.

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

(h) Seven (7) dry deburring systems, identified as Dry Deburr 1-7, each with one (1) station for handling parts, one (1) station for drilling and tapping parts, and four (4) stations for processing parts through milling and brushing heads, approved in 2013 for construction, with emissions uncontrolled, and exhausting within the plant.

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

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

D.4.1 Particulate Matter Emission Limitations [362 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a), (Particulate Matter Limitations Except Lake County), the particulate matter (PM) emissions from the die casting machines, trim operations, machining, brazing equipment, cutting torches, soldering equipment, welding equipment, stockpiled soil, grinding and machining operations, and dry deburring systems shall not exceed 0.03 grains per dry standard cubic foot each.

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(r) 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.

3BLR is considered an affected facility under 40 CFR 60 Subpart Dc, the Permittee shall comply with the provisions of Standard of Performance for Small Industrial-Commercial Institutional Steam Generating Units.

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

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

E.1.1 General Provision Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR 60, Subpart A]

(a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1 for the Boiler, identified as 3BLR except as otherwise specified in 40 CFR Part 60, Subpart Dc.

(b) Pursuant to 40 CFR 60.10, the Permittee shall submit all required notifications and reports to:
Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue,
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

E.1.2 Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units [326 IAC 12-1] [40 CFR 60, Subpart Dc]

The Permittee, which operates boiler 3BLR, shall comply with the following provisions of 40 CFR 60 Subpart Dc (included as Attachment A of this permit), which is incorporated by reference as 326 IAC 12:

(1) 40 CFR 60.40c
(2) 40 CFR 60.41c
(3) 40 CFR 60.42c
(4) 40 CFR 60.43c
(5) 40 CFR 60.44c
(6) 40 CFR 60.45c
(7) 40 CFR 60.46c
(8) 40 CFR 60.47c and
(9) 40 CFR 60.48c

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: Chrysler Group, LLC - Kokomo Casting Plant
Source Address: 1001 East Boulevard, Kokomo, Indiana 46904
Part 70 Permit No.: T067-25272-00065

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.

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Chrysler Group, LLC - Kokomo Casting Plant
Source Address: 1001 East Boulevard, Kokomo, Indiana 46904
Part 70 Permit No.: T067-25272-00065

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), no later than four (**4**) daytime business hours (1-800-451-6027 or 317-233-0178, ask for Compliance and Enforcement Branch); and
- The Permittee must submit notice in writing or by facsimile no later than 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
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: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report

Source Name: Chrysler Group, LLC-Kokomo Casting Plant
Source Address: Chrysler Kokomo Casting Plant
1001 East Boulevard, Kokomo, Indiana 46904
Source Address: Chrysler Group, LLC -Kokomo Transmission Plant
2401 S. Reed Road, Kokomo, Indiana 46904
Part 70 Permit No.: T067-25272-00065
Facilities: Furnace 2RF
Parameter: Annual particulate matter (PM) emissions (tons per year)
Limits: Furnace 2RF is limited to less than 92.5 tons of PM per 12 consecutive month period

QUARTER : YEAR:

Month		Column 2	Column 3	Column 2 + Column 3
	Furnace Identification	This Month	Previous 11 Months	12 Month Total
Month 1	Furnace 2RF			
Month 2	Furnace 2RF			
Month 3	Furnace 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:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report

Source Name: Chrysler Group, LLC-Kokomo Casting Plant
Source Address: Chrysler Kokomo Casting Plant
1001 East Boulevard, Kokomo, Indiana 46904
Source Address: Chrysler Group, LLC -Kokomo Transmission Plant
2401 S. Reed Road, Kokomo, Indiana 46904
Part 70 Permit No.: T067-25272-00065
Facilities: Furnace 6RF
Parameter: Annual particulate matter (PM) emissions (tons per year)
Limits: Furnace 6RF is limited to less than 36.2 tons of PM per 12 consecutive month period.

QUARTER : YEAR:

Month		Column 2	Column 3	Column 2 + Column 3
	Furnace Identification	This Month	Previous 11 Months	12 Month Total
Month 1	Furnace 6RF			
Month 2	Furnace 6RF			
Month 3	Furnace 6RF			

☐ No deviation occurred in this quarter.

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

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report

Source Name: Chrysler Group, LLC-Kokomo Casting Plant
Source Address: Chrysler Kokomo Casting Plant
1001 East Boulevard, Kokomo, Indiana 46904
Source Address: Chrysler Group, LLC - Kokomo Transmission Plant
2401 S. Reed Road, Kokomo, Indiana 46904
Part 70 Permit No.: T067-25272-00065
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;

QUARTER : 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:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report

Source Name: Chrysler Group, LLC-Kokomo Casting Plant
Source Address: Chrysler Kokomo Casting Plant
1001 East Boulevard, Kokomo, Indiana 46904
Source Address: Chrysler Group, LLC - Kokomo Transmission Plant
2401 S. Reed Road, Kokomo, Indiana 46904
Part 70 Permit No.: T067-25272-00065
Facilities: Furnaces SM1 and SM2
Parameter: amount of flux
Limits: Furnaces SM1 and SM2 are limited to a combined total of 21,900 lb of Flux per twelve (12) consecutive month period**.**

QUARTER : 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:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report

Source Name: Chrysler Group, LLC-Kokomo Casting Plant
Source Address: Chrysler Kokomo Casting Plant
1001 East Boulevard, Kokomo, Indiana 46904
Source Address: Chrysler Group, LLC - Kokomo Transmission Plant
2401 S. Reed Road, Kokomo, Indiana 46904
Part 70 Permit No.: T067-25272-00065
Facilities: Furnaces 4RF
Parameter: amount of metal remelt
Limits: Furnaces 4RF is limited to 56,940 tons of metal remelt per 12 consecutive month period;

QUARTER : YEAR:

Month		Column 2	Column 3	Column 2 + Column 3
	Furnace Identification	This Month	Previous 11 Months	12 Month Total
Month 1	Furnace 4RF			
Month 2	Furnace 4RF			
Month 3	Furnace 4RF			

☐ No deviation occurred in this quarter.

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

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report

Source Name: Chrysler Group, LLC-Kokomo Casting Plant
Source Address: Chrysler Kokomo Casting Plant
1001 East Boulevard, Kokomo, Indiana 46904
Source Address: Chrysler Group, LLC - Kokomo Transmission Plant
2401 S. Reed Road, Kokomo, Indiana 46904
Part 70 Permit No.: T067-25272-00065
Facilities: Furnaces 7RF and 8RF
Parameter: amount of flux
Limits: Furnaces 7RF and 8RF are <u>each</u> limited to 21,960 lb of Flux per twelve (12) consecutive month period**.**

QUARTER : YEAR**:**

Month		Column 2	Column 3	Column 2 + Column 3
	Furnace Identification	This Month	Previous 11 Months	12 Month Total
Month 1	Furnaces 7RF and 8RF			
Month 2	Furnaces 7RF and 8RF			
Month 3	Furnaces 7RF and 8RF			

☐ No deviation occurred in this quarter.

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

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report

Source Name: Chrysler Group, LLC-Kokomo Casting Plant
Source Address: Chrysler Kokomo Casting Plant
1001 East Boulevard, Kokomo, Indiana 46904
Source Address: Chrysler Group, LLC - Kokomo Transmission Plant
2401 S. Reed Road, Kokomo, Indiana 46904
Part 70 Permit No.: T067-25272-00065
Facilities: Furnaces 9RF and 10RF
Parameter: amount of flux
Limits: Furnaces 9RF and 10RF are each limited to 21,960 lb of Flux per twelve (12) consecutive month period**.**

QUARTER : YEAR**:**

Month		Column 2	Column 3	Column 2 + Column 3
	Furnace Identification	This Month	Previous 11 Months	12 Month Total
Month 1	Furnaces 9RF and 10RF			
Month 2	Furnaces 9RF and 10RF			
Month 3	Furnaces 9RF and 10RF			

☐ No deviation occurred in this quarter.

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

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Chrysler Group, LLC - Kokomo Casting Plant
Source Address: 1001 East Boulevard, Kokomo, Indiana 46904
Part 70 Permit No.: T067-25272-00065

Months: _____ to _____ Year: _____

This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C-General Reporting. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does 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: _____

Attachment A
to Part 70 Operating Permit Renewal No. T067-25272-00065

40 CFR 60, Subpart Dc—Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

SOURCE: 72 FR 32759, June 13, 2007, unless otherwise noted.

§ 60.40c Applicability and delegation of authority.

(a) Except as provided in paragraphs (d), (e), (f), and (g) of this section, the affected facility to which this subpart applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/h)) or less, but greater than or equal to 2.9 MW (10 MMBtu/h).

(b) In delegating implementation and enforcement authority to a State under section 111(c) of the Clean Air Act, § 60.48c(a)(4) shall be retained by the Administrator and not transferred to a State.

(c) Steam generating units that meet the applicability requirements in paragraph (a) of this section are not subject to the sulfur dioxide (SO_2) or particulate matter (PM) emission limits, performance testing requirements, or monitoring requirements under this subpart (§§ 60.42c, 60.43c, 60.44c, 60.45c, 60.46c, or 60.47c) during periods of combustion research, as defined in § 60.41c.

(d) Any temporary change to an existing steam generating unit for the purpose of conducting combustion research is not considered a modification under § 60.14.

(e) Affected facilities (*i.e.* heat recovery steam generators and fuel heaters) that are associated with stationary combustion turbines and meet the applicability requirements of subpart KKKK of this part are not subject to this subpart. This subpart will continue to apply to all other heat recovery steam generators, fuel heaters, and other affected facilities that are capable of combusting more than or equal to 2.9 MW (10 MMBtu/h) heat input of fossil fuel but less than or equal to 29 MW (100 MMBtu/h) heat input of fossil fuel. If the heat recovery steam generator, fuel heater, or other affected facility is subject to this subpart, only emissions resulting from combustion of fuels in the steam generating unit are subject to this subpart. (The stationary combustion turbine emissions are subject to subpart GG or KKKK, as applicable, of this part.)

(f) Any affected facility that meets the applicability requirements of and is subject to subpart AAAA or subpart CCCC of this part is not subject to this subpart.

(g) Any facility that meets the applicability requirements and is subject to an EPA approved State or Federal section 111(d)/129 plan implementing subpart BBBB of this part is not subject to this subpart.

(h) Affected facilities that also meet the applicability requirements under subpart J or subpart Ja of this part are subject to the PM and NO_X standards under this subpart and the SO_2 standards under subpart J or subpart Ja of this part, as applicable.

(i) Temporary boilers are not subject to this subpart.

[72 FR 32759, June 13, 2007, as amended at 74 FR 5090, Jan. 28, 2009; 77 FR 9461, Feb. 16, 2012]

§ 60.41c Definitions.

As used in this subpart, all terms not defined herein shall have the meaning given them in the Clean Air Act and in subpart A of this part.

Annual capacity factor means the ratio between the actual heat input to a steam generating unit from an individual fuel or combination of fuels during a period of 12 consecutive calendar months and the potential heat input to the steam generating unit from all fuels had the steam generating unit been operated for 8,760 hours during that 12-month period at the maximum design heat input capacity. In the case of steam generating units that are rented or leased, the actual heat input shall be determined based on the combined heat input from all operations of the affected facility during a period of 12 consecutive calendar months.

Coal means all solid fuels classified as anthracite, bituminous, subbituminous, or lignite by the American Society of Testing and Materials in ASTM D388 (incorporated by reference, see § 60.17), coal refuse, and petroleum coke. Coal-derived synthetic fuels derived from coal for the purposes of creating useful heat, including but not limited to solvent refined coal, gasified coal not meeting the definition of natural gas, coal-oil mixtures, and coal-water mixtures, are also included in this definition for the purposes of this subpart.

Coal refuse means any by-product of coal mining or coal cleaning operations with an ash content greater than 50 percent (by weight) and a heating value less than 13,900 kilojoules per kilogram (kJ/kg) (6,000 Btu per pound (Btu/lb) on a dry basis.

Combined cycle system means a system in which a separate source (such as a stationary gas turbine, internal combustion engine, or kiln) provides exhaust gas to a steam generating unit.

Combustion research means the experimental firing of any fuel or combination of fuels in a steam generating unit for the purpose of conducting research and development of more efficient combustion or more effective prevention or control of air pollutant emissions from combustion, provided that, during these periods of research and development, the heat generated is not used for any purpose other than preheating combustion air for use by that steam generating unit (*i.e.* , the heat generated is released to the atmosphere without being used for space heating, process heating, driving pumps, preheating combustion air for other units, generating electricity, or any other purpose).

Conventional technology means wet flue gas desulfurization technology, dry flue gas desulfurization technology, atmospheric fluidized bed combustion technology, and oil hydrodesulfurization technology.

Distillate oil means fuel oil that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396 (incorporated by reference, see § 60.17), diesel fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D975 (incorporated by reference, see § 60.17), kerosine, as defined by the American Society of Testing and Materials in ASTM D3699 (incorporated by reference, see § 60.17), biodiesel as defined by the American Society of Testing and Materials in ASTM D6751 (incorporated by reference, see § 60.17), or biodiesel blends as defined by the American Society of Testing and Materials in ASTM D7467 (incorporated by reference, see § 60.17).

Dry flue gas desulfurization technology means a SO_2 control system that is located between the steam generating unit and the exhaust vent or stack, and that removes sulfur oxides from the combustion gases of the steam generating unit by contacting the combustion gases with an alkaline reagent and water, whether introduced separately or as a premixed slurry or solution and forming a dry powder material. This definition includes devices where the dry powder material is subsequently converted to another form.

Alkaline reagents used in dry flue gas desulfurization systems include, but are not limited to, lime and sodium compounds.

Duct burner means a device that combusts fuel and that is placed in the exhaust duct from another source (such as a stationary gas turbine, internal combustion engine, kiln, etc.) to allow the firing of additional fuel to heat the exhaust gases before the exhaust gases enter a steam generating unit.

Emerging technology means any SO_2 control system that is not defined as a conventional technology under this section, and for which the owner or operator of the affected facility has received approval from the Administrator to operate as an emerging technology under § 60.48c(a)(4).

Federally enforceable means all limitations and conditions that are enforceable by the Administrator, including the requirements of 40 CFR parts 60 and 61, requirements within any applicable State implementation plan, and any permit requirements established under 40 CFR 52.21 or under 40 CFR 51.18 and 51.24.

Fluidized bed combustion technology means a device wherein fuel is distributed onto a bed (or series of beds) of limestone aggregate (or other sorbent materials) for combustion; and these materials are forced upward in the device by the flow of combustion air and the gaseous products of combustion. Fluidized bed combustion technology includes, but is not limited to, bubbling bed units and circulating bed units.

Fuel pretreatment means a process that removes a portion of the sulfur in a fuel before combustion of the fuel in a steam generating unit.

Heat input means heat derived from combustion of fuel in a steam generating unit and does not include the heat derived from preheated combustion air, recirculated flue gases, or exhaust gases from other sources (such as stationary gas turbines, internal combustion engines, and kilns).

Heat transfer medium means any material that is used to transfer heat from one point to another point.

Maximum design heat input capacity means the ability of a steam generating unit to combust a stated maximum amount of fuel (or combination of fuels) on a steady state basis as determined by the physical design and characteristics of the steam generating unit.

Natural gas means:

(1) A naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal constituent is methane; or

(2) Liquefied petroleum (LP) gas, as defined by the American Society for Testing and Materials in ASTM D1835 (incorporated by reference, see § 60.17); or

(3) A mixture of hydrocarbons that maintains a gaseous state at ISO conditions. Additionally, natural gas must either be composed of at least 70 percent methane by volume or have a gross calorific value between 34 and 43 megajoules (MJ) per dry standard cubic meter (910 and 1,150 Btu per dry standard cubic foot).

Noncontinental area means the State of Hawaii, the Virgin Islands, Guam, American Samoa, the Commonwealth of Puerto Rico, or the Northern Mariana Islands.

Oil means crude oil or petroleum, or a liquid fuel derived from crude oil or petroleum, including distillate oil and residual oil.

Potential sulfur dioxide emission rate means the theoretical SO_2 emissions (nanograms per joule (ng/J) or lb/MMBtu heat input) that would result from combusting fuel in an uncleaned state and without using emission control systems.

Process heater means a device that is primarily used to heat a material to initiate or promote a chemical reaction in which the material participates as a reactant or catalyst.

Residual oil means crude oil, fuel oil that does not comply with the specifications under the definition of distillate oil, and all fuel oil numbers 4, 5, and 6, as defined by the American Society for Testing and Materials in ASTM D396 (incorporated by reference, see § 60.17).

Steam generating unit means a device that combusts any fuel and produces steam or heats water or heats any heat transfer medium. This term includes any duct burner that combusts fuel and is part of a combined cycle system. This term does not include process heaters as defined in this subpart.

Steam generating unit operating day means a 24-hour period between 12:00 midnight and the following midnight during which any fuel is combusted at any time in the steam generating unit. It is not necessary for fuel to be combusted continuously for the entire 24-hour period.

Temporary boiler means a steam generating unit that combusts natural gas or distillate oil with a potential SO_2 emissions rate no greater than 26 ng/J (0.060 lb/MMBtu), and the unit is designed to, and is capable of, being carried or moved from one location to another by means of, for example, wheels, skids, carrying handles, dollies, trailers, or platforms. A steam generating unit is not a temporary boiler if any one of the following conditions exists:

(1) The equipment is attached to a foundation.

(2) The steam generating unit or a replacement remains at a location for more than 180 consecutive days. Any temporary boiler that replaces a temporary boiler at a location and performs the same or similar function will be included in calculating the consecutive time period.

(3) The equipment is located at a seasonal facility and operates during the full annual operating period of the seasonal facility, remains at the facility for at least 2 years, and operates at that facility for at least 3 months each year.

(4) The equipment is moved from one location to another in an attempt to circumvent the residence time requirements of this definition.

Wet flue gas desulfurization technology means an SO_2 control system that is located between the steam generating unit and the exhaust vent or stack, and that removes sulfur oxides from the combustion gases of the steam generating unit by contacting the combustion gases with an alkaline slurry or solution and forming a liquid material. This definition includes devices where the liquid material is subsequently converted to another form. Alkaline reagents used in wet flue gas desulfurization systems include, but are not limited to, lime, limestone, and sodium compounds.

Wet scrubber system means any emission control device that mixes an aqueous stream or slurry with the exhaust gases from a steam generating unit to control emissions of PM or SO_2 .

Wood means wood, wood residue, bark, or any derivative fuel or residue thereof, in any form, including but not limited to sawdust, sanderdust, wood chips, scraps, slabs, millings, shavings, and processed pellets made from wood or other forest residues.

[72 FR 32759, June 13, 2007, as amended at 74 FR 5090, Jan. 28, 2009; 77 FR 9461, Feb. 16, 2012]

§ 60.42c Standard for sulfur dioxide (SO_2).

(a) Except as provided in paragraphs (b), (c), and (e) of this section, on and after the date on which the performance test is completed or required to be completed under § 60.8, whichever date comes first, the owner or operator of an affected facility that combusts only coal shall neither: cause to be discharged into the atmosphere from the affected facility any gases that contain SO_2 in excess of 87 ng/J (0.20 lb/MMBtu) heat input or 10 percent (0.10) of the potential SO_2 emission rate (90 percent reduction), nor cause to be discharged into the atmosphere from the affected facility any gases that contain SO_2 in excess of 520 ng/J (1.2 lb/MMBtu) heat input. If coal is combusted with other fuels, the affected facility shall neither: cause to be discharged into the atmosphere from the affected facility any gases that contain SO_2 in excess of 87 ng/J (0.20 lb/MMBtu) heat input or 10 percent (0.10) of the potential SO_2 emission rate (90 percent reduction), nor cause to be discharged into the atmosphere from the affected facility any gases that contain SO_2 in excess of the emission limit is determined pursuant to paragraph (e)(2) of this section.

(b) Except as provided in paragraphs (c) and (e) of this section, on and after the date on which the performance test is completed or required to be completed under § 60.8, whichever date comes first, the owner or operator of an affected facility that:

(1) Combusts only coal refuse alone in a fluidized bed combustion steam generating unit shall neither:

(i) Cause to be discharged into the atmosphere from that affected facility any gases that contain SO_2 in excess of 87 ng/J (0.20 lb/MMBtu) heat input or 20 percent (0.20) of the potential SO_2 emission rate (80 percent reduction); nor

(ii) Cause to be discharged into the atmosphere from that affected facility any gases that contain SO_2 in excess of SO_2 in excess of 520 ng/J (1.2 lb/MMBtu) heat input. If coal is fired with coal refuse, the affected facility subject to paragraph (a) of this section. If oil or any other fuel (except coal) is fired with coal refuse, the affected facility is subject to the 87 ng/J (0.20 lb/MMBtu) heat input SO_2 emissions limit or the 90 percent SO_2 reduction requirement specified in paragraph (a) of this section and the emission limit is determined pursuant to paragraph (e)(2) of this section.

(2) Combusts only coal and that uses an emerging technology for the control of SO_2 emissions shall neither:

(i) Cause to be discharged into the atmosphere from that affected facility any gases that contain SO_2 in excess of 50 percent (0.50) of the potential SO_2 emission rate (50 percent reduction); nor

(ii) Cause to be discharged into the atmosphere from that affected facility any gases that contain SO_2 in excess of 260 ng/J (0.60 lb/MMBtu) heat input. If coal is combusted with other fuels, the affected facility is subject to the 50 percent SO_2 reduction requirement specified in this paragraph and the emission limit determined pursuant to paragraph (e)(2) of this section.

(c) On and after the date on which the initial performance test is completed or required to be completed under § 60.8, whichever date comes first, no owner or operator of an affected facility that combusts coal, alone or in combination with any other fuel, and is listed in paragraphs (c)(1), (2), (3), or (4) of this section shall cause to be discharged into the atmosphere from that affected facility any gases that contain SO_2 in excess of the emission limit determined pursuant to paragraph (e)(2) of this section. Percent reduction requirements are not applicable to affected facilities under paragraphs (c)(1), (2), (3), or (4).

(1) Affected facilities that have a heat input capacity of 22 MW (75 MMBtu/h) or less;

(2) Affected facilities that have an annual capacity for coal of 55 percent (0.55) or less and are subject to a federally enforceable requirement limiting operation of the affected facility to an annual capacity factor for coal of 55 percent (0.55) or less.

(3) Affected facilities located in a noncontinental area; or

(4) Affected facilities that combust coal in a duct burner as part of a combined cycle system where 30 percent (0.30) or less of the heat entering the steam generating unit is from combustion of coal in the duct burner and 70 percent (0.70) or more of the heat entering the steam generating unit is from exhaust gases entering the duct burner.

(d) On and after the date on which the initial performance test is completed or required to be completed under § 60.8, whichever date comes first, no owner or operator of an affected facility that combusts oil shall cause to be discharged into the atmosphere from that affected facility any gases that contain SO_2 in excess of 215 ng/J (0.50 lb/MMBtu) heat input from oil; or, as an alternative, no owner or operator of an affected facility that combusts oil shall combust oil in the affected facility that contains greater than 0.5 weight percent sulfur. The percent reduction requirements are not applicable to affected facilities under this paragraph.

(e) On and after the date on which the initial performance test is completed or required to be completed under § 60.8, whichever date comes first, no owner or operator of an affected facility that combusts coal, oil, or coal and oil with any other fuel shall cause to be discharged into the atmosphere from that affected facility any gases that contain SO_2 in excess of the following:

(1) The percent of potential SO_2 emission rate or numerical SO_2 emission rate required under paragraph (a) or (b)(2) of this section, as applicable, for any affected facility that

(i) Combusts coal in combination with any other fuel;

(ii) Has a heat input capacity greater than 22 MW (75 MMBtu/h); and

(iii) Has an annual capacity factor for coal greater than 55 percent (0.55); and

(2) The emission limit determined according to the following formula for any affected facility that combusts coal, oil, or coal and oil with any other fuel:

$$E_s = \frac{(K_a H_a + K_b H_b + K_c H_c)}{(H_a + H_b + H_c)}$$

Where:

E_s = SO_2 emission limit, expressed in ng/J or lb/MMBtu heat input;

K_a = 520 ng/J (1.2 lb/MMBtu);

K_b = 260 ng/J (0.60 lb/MMBtu);

K_c = 215 ng/J (0.50 lb/MMBtu);

H_a = Heat input from the combustion of coal, except coal combusted in an affected facility subject to paragraph (b)(2) of this section, in Joules (J) [MMBtu];

H_b = Heat input from the combustion of coal in an affected facility subject to paragraph (b)(2) of this section, in J (MMBtu); and

H_c = Heat input from the combustion of oil, in J (MMBtu).

(f) Reduction in the potential SO_2 emission rate through fuel pretreatment is not credited toward the percent reduction requirement under paragraph (b)(2) of this section unless:

(1) Fuel pretreatment results in a 50 percent (0.50) or greater reduction in the potential SO_2 emission rate; and

(2) Emissions from the pretreated fuel (without either combustion or post-combustion SO_2 control) are equal to or less than the emission limits specified under paragraph (b)(2) of this section.

(g) Except as provided in paragraph (h) of this section, compliance with the percent reduction requirements, fuel oil sulfur limits, and emission limits of this section shall be determined on a 30-day rolling average basis.

(h) For affected facilities listed under paragraphs (h)(1), (2), (3), or (4) of this section, compliance with the emission limits or fuel oil sulfur limits under this section may be determined based on a certification from the fuel supplier, as described under § 60.48c(f), as applicable.

(1) Distillate oil-fired affected facilities with heat input capacities between 2.9 and 29 MW (10 and 100 MMBtu/hr).

(2) Residual oil-fired affected facilities with heat input capacities between 2.9 and 8.7 MW (10 and 30 MMBtu/hr).

(3) Coal-fired affected facilities with heat input capacities between 2.9 and 8.7 MW (10 and 30 MMBtu/h).

(4) Other fuels-fired affected facilities with heat input capacities between 2.9 and 8.7 MW (10 and 30 MMBtu/h).

(i) The SO_2 emission limits, fuel oil sulfur limits, and percent reduction requirements under this section apply at all times, including periods of startup, shutdown, and malfunction.

(j) For affected facilities located in noncontinental areas and affected facilities complying with the percent reduction standard, only the heat input supplied to the affected facility from the combustion of coal and oil is counted under this section. No credit is provided for the heat input to the affected facility from wood or other fuels or for heat derived from exhaust gases from other sources, such as stationary gas turbines, internal combustion engines, and kilns.

[72 FR 32759, June 13, 2007, as amended at 74 FR 5090, Jan. 28, 2009; 77 FR 9462, Feb. 16, 2012]

§ 60.43c Standard for particulate matter (PM).

(a) On and after the date on which the initial performance test is completed or required to be completed under § 60.8, whichever date comes first, no owner or operator of an affected facility that commenced construction, reconstruction, or modification on or before February 28, 2005, that combusts coal or combusts mixtures of coal with other fuels and has a heat input capacity of 8.7 MW (30 MMBtu/h) or greater, shall cause to be discharged into the atmosphere from that affected facility any gases that contain PM in excess of the following emission limits:

(1) 22 ng/J (0.051 lb/MMBtu) heat input if the affected facility combusts only coal, or combusts coal with other fuels and has an annual capacity factor for the other fuels of 10 percent (0.10) or less.

(2) 43 ng/J (0.10 lb/MMBtu) heat input if the affected facility combusts coal with other fuels, has an annual capacity factor for the other fuels greater than 10 percent (0.10), and is subject to a federally enforceable requirement limiting operation of the affected facility to an annual capacity factor greater than 10 percent (0.10) for fuels other than coal.

(b) On and after the date on which the initial performance test is completed or required to be completed under § 60.8, whichever date comes first, no owner or operator of an affected facility that commenced construction, reconstruction, or modification on or before February 28, 2005, that combusts wood or combusts mixtures of wood with other fuels (except coal) and has a heat input capacity of 8.7 MW (30 MMBtu/h) or greater, shall cause to be discharged into the atmosphere from that affected facility any gases that contain PM in excess of the following emissions limits:

(1) 43 ng/J (0.10 lb/MMBtu) heat input if the affected facility has an annual capacity factor for wood greater than 30 percent (0.30); or

(2) 130 ng/J (0.30 lb/MMBtu) heat input if the affected facility has an annual capacity factor for wood of 30 percent (0.30) or less and is subject to a federally enforceable requirement limiting operation of the affected facility to an annual capacity factor for wood of 30 percent (0.30) or less.

(c) On and after the date on which the initial performance test is completed or required to be completed under § 60.8, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood, or oil and has a heat input capacity of 8.7 MW (30 MMBtu/h) or greater shall cause to be discharged into the atmosphere from that affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. Owners and operators of an affected facility that elect to install, calibrate, maintain, and operate a continuous emissions monitoring system (CEMS) for measuring PM emissions according to the requirements of this subpart and are subject to a federally enforceable PM limit of 0.030 lb/MMBtu or less are exempt from the opacity standard specified in this paragraph (c).

(d) The PM and opacity standards under this section apply at all times, except during periods of startup, shutdown, or malfunction.

(e)(1) On and after the date on which the initial performance test is completed or is required to be completed under § 60.8, whichever date comes first, no owner or operator of an affected facility that commences construction, reconstruction, or modification after February 28, 2005, and that combusts coal, oil, wood, a mixture of these fuels, or a mixture of these fuels with any other fuels and has a heat input capacity of 8.7 MW (30 MMBtu/h) or greater shall cause to be discharged into the atmosphere from that affected facility any gases that contain PM in excess of 13 ng/J (0.030 lb/MMBtu) heat input, except as provided in paragraphs (e)(2), (e)(3), and (e)(4) of this section.

(2) As an alternative to meeting the requirements of paragraph (e)(1) of this section, the owner or operator of an affected facility for which modification commenced after February 28, 2005, may elect to meet the requirements of this paragraph. On and after the date on which the initial performance test is completed or required to be completed under § 60.8, whichever date comes first, no owner or operator of an affected facility that commences modification after February 28, 2005 shall cause to be discharged into the atmosphere from that affected facility any gases that contain PM in excess of both:

(i) 22 ng/J (0.051 lb/MMBtu) heat input derived from the combustion of coal, oil, wood, a mixture of these fuels, or a mixture of these fuels with any other fuels; and

(ii) 0.2 percent of the combustion concentration (99.8 percent reduction) when combusting coal, oil, wood, a mixture of these fuels, or a mixture of these fuels with any other fuels.

(3) On and after the date on which the initial performance test is completed or is required to be completed under § 60.8, whichever date comes first, no owner or operator of an affected facility that commences modification after February 28, 2005, and that combusts over 30 percent wood (by heat input) on an annual basis and has a heat input capacity of 8.7 MW (30 MMBtu/h) or greater shall cause to be discharged into the atmosphere from that affected facility any gases that contain PM in excess of 43 ng/J (0.10 lb/MMBtu) heat input.

(4) An owner or operator of an affected facility that commences construction, reconstruction, or modification after February 28, 2005, and that combusts only oil that contains no more than 0.50 weight percent sulfur or a mixture of 0.50 weight percent sulfur oil with other fuels not subject to a PM standard under § 60.43c and not using a post-combustion technology (except a wet scrubber) to reduce PM or SO_2 emissions is not subject to the PM limit in this section.

[72 FR 32759, June 13, 2007, as amended at 74 FR 5091, Jan. 28, 2009; 77 FR 9462, Feb. 16, 2012]

§ 60.44c Compliance and performance test methods and procedures for sulfur dioxide.

(a) Except as provided in paragraphs (g) and (h) of this section and § 60.8(b), performance tests required under § 60.8 shall be conducted following the procedures specified in paragraphs (b), (c), (d), (e), and (f) of this section, as applicable. Section 60.8(f) does not apply to this section. The 30-day notice required in § 60.8(d) applies only to the initial performance test unless otherwise specified by the Administrator.

(b) The initial performance test required under § 60.8 shall be conducted over 30 consecutive operating days of the steam generating unit. Compliance with the percent reduction requirements and SO_2 emission limits under § 60.42c shall be determined using a 30-day average. The first operating day included in the initial performance test shall be scheduled within 30 days after achieving the maximum production rate at which the affect facility will be operated, but not later than 180 days after the initial startup of the facility. The steam generating unit load during the 30-day period does not have to be the maximum design heat input capacity, but must be representative of future operating conditions.

(c) After the initial performance test required under paragraph (b) of this section and § 60.8, compliance with the percent reduction requirements and SO_2 emission limits under § 60.42c is based on the average percent reduction and the average SO_2 emission rates for 30 consecutive steam generating unit operating days. A separate performance test is completed at the end of each steam generating unit operating day, and a new 30-day average percent reduction and SO_2 emission rate are calculated to show compliance with the standard.

(d) If only coal, only oil, or a mixture of coal and oil is combusted in an affected facility, the procedures in Method 19 of appendix A of this part are used to determine the hourly SO_2 emission rate (E_{ho}) and the 30-day average SO_2 emission rate (E_{ao}). The hourly averages used to compute the 30-day averages are obtained from the CEMS. Method 19 of appendix A of this part shall be used to calculate E_{ao} when using daily fuel sampling or Method 6B of appendix A of this part.

(e) If coal, oil, or coal and oil are combusted with other fuels:

(1) An adjusted E_{ho} (E_{ho} o) is used in Equation 19-19 of Method 19 of appendix A of this part to compute the adjusted E_{ao} (E_{ao} o). The E_{ho} o is computed using the following formula:

$$E_{ho}\,o = \frac{E_{ho} - E_w(1 - X_k)}{X_k}$$

Where:

E_{ho} o = Adjusted E_{ho} , ng/J (lb/MMBtu);

E_{ho} = Hourly SO_2 emission rate, ng/J (lb/MMBtu);

E_w = SO_2 concentration in fuels other than coal and oil combusted in the affected facility, as determined by fuel sampling and analysis procedures in Method 9 of appendix A of this part, ng/J (lb/MMBtu). The value E_w for each fuel lot is used for each hourly average during the time that the lot is being combusted. The owner or operator does not have to measure E_w if the owner or operator elects to assume E_w = 0.

X_k = Fraction of the total heat input from fuel combustion derived from coal and oil, as determined by applicable procedures in Method 19 of appendix A of this part.

(2) The owner or operator of an affected facility that qualifies under the provisions of § 60.42c(c) or (d) (where percent reduction is not required) does not have to measure the parameters E_w or X_k if the owner or operator of the affected facility elects to measure emission rates of the coal or oil using the fuel sampling and analysis procedures under Method 19 of appendix A of this part.

(f) Affected facilities subject to the percent reduction requirements under § 60.42c(a) or (b) shall determine compliance with the SO_2 emission limits under § 60.42c pursuant to paragraphs (d) or (e) of this section, and shall determine compliance with the percent reduction requirements using the following procedures:

(1) If only coal is combusted, the percent of potential SO_2 emission rate is computed using the following formula:

$$\%P_s = 100\left(1 - \frac{\%R_g}{100}\right)\left(1 - \frac{\%R_f}{100}\right)$$

Where:

$\%P_s$ = Potential SO_2 emission rate, in percent;

$\%R_g$ = SO_2 removal efficiency of the control device as determined by Method 19 of appendix A of this part, in percent; and

$\%R_f$ = SO_2 removal efficiency of fuel pretreatment as determined by Method 19 of appendix A of this part, in percent.

(2) If coal, oil, or coal and oil are combusted with other fuels, the same procedures required in paragraph (f)(1) of this section are used, except as provided for in the following:

(i) To compute the $\%P_s$, an adjusted $\%R_g$ ($\%R_g$ o) is computed from E_{ao} o from paragraph (e)(1) of this section and an adjusted average SO_2 inlet rate (E_{ai} o) using the following formula:

$$\%R_g\,o = 100\left(1 - \frac{E^{\circ}_{ao}}{E^{\circ}_{ai}}\right)$$

Where:

$\%R_g$ o = Adjusted $\%R_g$, in percent;

E_{ao} o = Adjusted E_{ao} , ng/J (lb/MMBtu); and

E_{ai} o = Adjusted average SO_2 inlet rate, ng/J (lb/MMBtu).

(ii) To compute E_{ai} o, an adjusted hourly SO_2 inlet rate (E_{hi} o) is used. The E_{hi} o is computed using the following formula:

$$E_{hi}o = \frac{E_{hi} - E_w(1 - X_k)}{X_k}$$

Where:

E_{hi} o = Adjusted E_{hi} , ng/J (lb/MMBtu);

E_{hi} = Hourly SO_2 inlet rate, ng/J (lb/MMBtu);

E_w = SO_2 concentration in fuels other than coal and oil combusted in the affected facility, as determined by fuel sampling and analysis procedures in Method 19 of appendix A of this part, ng/J (lb/MMBtu). The value E_w for each fuel lot is used for each hourly average during the time that the lot is being combusted. The owner or operator does not have to measure E_w if the owner or operator elects to assume E_w = 0; and

X_k = Fraction of the total heat input from fuel combustion derived from coal and oil, as determined by applicable procedures in Method 19 of appendix A of this part.

(g) For oil-fired affected facilities where the owner or operator seeks to demonstrate compliance with the fuel oil sulfur limits under § 60.42c based on shipment fuel sampling, the initial performance test shall consist of sampling and analyzing the oil in the initial tank of oil to be fired in the steam generating unit to demonstrate that the oil contains 0.5 weight percent sulfur or less. Thereafter, the owner or operator of the affected facility shall sample the oil in the fuel tank after each new shipment of oil is received, as described under § 60.46c(d)(2).

(h) For affected facilities subject to § 60.42c(h)(1), (2), or (3) where the owner or operator seeks to demonstrate compliance with the SO_2 standards based on fuel supplier certification, the performance test shall consist of the certification from the fuel supplier, as described in § 60.48c(f), as applicable.

(i) The owner or operator of an affected facility seeking to demonstrate compliance with the SO_2 standards under § 60.42c(c)(2) shall demonstrate the maximum design heat input capacity of the steam generating unit by operating the steam generating unit at this capacity for 24 hours. This demonstration shall be made during the initial performance test, and a subsequent demonstration may be requested at any other time. If the demonstrated 24-hour average firing rate for the affected facility is less than the maximum design heat input capacity stated by the manufacturer of the affected facility, the demonstrated 24-hour average firing rate shall be used to determine the annual capacity factor for the affected facility; otherwise, the maximum design heat input capacity provided by the manufacturer shall be used.

(j) The owner or operator of an affected facility shall use all valid SO_2 emissions data in calculating $\%P_s$ and E_{ho} under paragraphs (d), (e), or (f) of this section, as applicable, whether or not the minimum emissions data requirements under § 60.46c(f) are achieved. All valid emissions data, including valid data collected during periods of startup, shutdown, and malfunction, shall be used in calculating $\%P_s$ or E_{ho} pursuant to paragraphs (d), (e), or (f) of this section, as applicable.

[72 FR 32759, June 13, 2007, as amended at 74 FR 5091, Jan. 28, 2009]

§ 60.45c Compliance and performance test methods and procedures for particulate matter.

(a) The owner or operator of an affected facility subject to the PM and/or opacity standards under § 60.43c shall conduct an initial performance test as required under § 60.8, and shall conduct subsequent performance tests as requested by the Administrator, to determine compliance with the standards using the following procedures and reference methods, except as specified in paragraph (c) of this section.

(1) Method 1 of appendix A of this part shall be used to select the sampling site and the number of traverse sampling points.

(2) Method 3A or 3B of appendix A-2 of this part shall be used for gas analysis when applying Method 5 or 5B of appendix A-3 of this part or 17 of appendix A-6 of this part.

(3) Method 5, 5B, or 17 of appendix A of this part shall be used to measure the concentration of PM as follows:

(i) Method 5 of appendix A of this part may be used only at affected facilities without wet scrubber systems.

(ii) Method 17 of appendix A of this part may be used at affected facilities with or without wet scrubber systems provided the stack gas temperature does not exceed a temperature of 160 °C (320 °F). The procedures of Sections 8.1 and 11.1 of Method 5B of appendix A of this part may be used in Method 17 of appendix A of this part only if Method 17 of appendix A of this part is used in conjunction with a wet scrubber system. Method 17 of appendix A of this part shall not be used in conjunction with a wet scrubber system if the effluent is saturated or laden with water droplets.

(iii) Method 5B of appendix A of this part may be used in conjunction with a wet scrubber system.

(4) The sampling time for each run shall be at least 120 minutes and the minimum sampling volume shall be 1.7 dry standard cubic meters (dscm) [60 dry standard cubic feet (dscf)] except that smaller sampling times or volumes may be approved by the Administrator when necessitated by process variables or other factors.

(5) For Method 5 or 5B of appendix A of this part, the temperature of the sample gas in the probe and filter holder shall be monitored and maintained at 160 ±14 °C (320±25 °F).

(6) For determination of PM emissions, an oxygen (O_2) or carbon dioxide (CO_2) measurement shall be obtained simultaneously with each run of Method 5, 5B, or 17 of appendix A of this part by traversing the duct at the same sampling location.

(7) For each run using Method 5, 5B, or 17 of appendix A of this part, the emission rates expressed in ng/J (lb/MMBtu) heat input shall be determined using:

(i) The O_2 or CO_2 measurements and PM measurements obtained under this section, (ii) The dry basis F factor, and

(iii) The dry basis emission rate calculation procedure contained in Method 19 of appendix A of this part.

(8) Method 9 of appendix A-4 of this part shall be used for determining the opacity of stack emissions.

(b) The owner or operator of an affected facility seeking to demonstrate compliance with the PM standards under § 60.43c(b)(2) shall demonstrate the maximum design heat input capacity of the steam generating unit by operating the steam generating unit at this capacity for 24 hours. This demonstration shall be made during the initial performance test, and a subsequent demonstration may be requested at any other time. If the demonstrated 24-hour average firing rate for the affected facility is less than the maximum design heat input capacity stated by the manufacturer of the affected facility, the demonstrated 24-hour average firing rate shall be used to determine the annual capacity factor for the affected facility; otherwise, the maximum design heat input capacity provided by the manufacturer shall be used.

(c) In place of PM testing with Method 5 or 5B of appendix A-3 of this part or Method 17 of appendix A-6 of this part, an owner or operator may elect to install, calibrate, maintain, and operate a CEMS for monitoring PM emissions discharged to the atmosphere and record the output of the system. The owner or operator of an affected facility who elects to continuously monitor PM emissions instead of conducting performance testing using Method 5 or 5B of appendix A-3 of this part or Method 17 of appendix A-6 of this part shall install, calibrate, maintain, and operate a CEMS and shall comply with the requirements specified in paragraphs (c)(1) through (c)(14) of this section.

(1) Notify the Administrator 1 month before starting use of the system.

(2) Notify the Administrator 1 month before stopping use of the system.

(3) The monitor shall be installed, evaluated, and operated in accordance with § 60.13 of subpart A of this part.

(4) The initial performance evaluation shall be completed no later than 180 days after the date of initial startup of the affected facility, as specified under § 60.8 of subpart A of this part or within 180 days of notification to the Administrator of use of CEMS if the owner or operator was previously determining compliance by Method 5, 5B, or 17 of appendix A of this part performance tests, whichever is later.

(5) The owner or operator of an affected facility shall conduct an initial performance test for PM emissions as required under § 60.8 of subpart A of this part. Compliance with the PM emission limit shall be determined by using the CEMS specified in paragraph (d) of this section to measure PM and calculating a 24-hour block arithmetic average emission concentration using EPA Reference Method 19 of appendix A of this part, section 4.1.

(6) Compliance with the PM emission limit shall be determined based on the 24-hour daily (block) average of the hourly arithmetic average emission concentrations using CEMS outlet data.

(7) At a minimum, valid CEMS hourly averages shall be obtained as specified in paragraph (c)(7)(i) of this section for 75 percent of the total operating hours per 30-day rolling average.

(i) At least two data points per hour shall be used to calculate each 1-hour arithmetic average.

(ii) [Reserved]

(8) The 1-hour arithmetic averages required under paragraph (c)(7) of this section shall be expressed in ng/J or lb/MMBtu heat input and shall be used to calculate the boiler operating day daily arithmetic average emission concentrations. The 1-hour arithmetic averages shall be calculated using the data points required under § 60.13(e)(2) of subpart A of this part.

(9) All valid CEMS data shall be used in calculating average emission concentrations even if the minimum CEMS data requirements of paragraph (c)(7) of this section are not met.

(10) The CEMS shall be operated according to Performance Specification 11 in appendix B of this part.

(11) During the correlation testing runs of the CEMS required by Performance Specification 11 in appendix B of this part, PM and O_2 (or CO_2) data shall be collected concurrently (or within a 30- to 60-minute period) by both the continuous emission monitors and performance tests conducted using the following test methods.

(i) For PM, Method 5 or 5B of appendix A-3 of this part or Method 17 of appendix A-6 of this part shall be used; and

(ii) For O2 (or CO_2), Method 3A or 3B of appendix A-2 of this part, as applicable shall be used.

(12) Quarterly accuracy determinations and daily calibration drift tests shall be performed in accordance with procedure 2 in appendix F of this part. Relative Response Audit's must be performed annually and Response Correlation Audits must be performed every 3 years.

(13) When PM emissions data are not obtained because of CEMS breakdowns, repairs, calibration checks, and zero and span adjustments, emissions data shall be obtained by using other monitoring systems as approved by the Administrator or EPA Reference Method 19 of appendix A of this part to provide, as necessary, valid emissions data for a minimum of 75 percent of total operating hours on a 30-day rolling average.

(14) As of January 1, 2012, and within 90 days after the date of completing each performance test, as defined in § 60.8, conducted to demonstrate compliance with this subpart, you must submit relative accuracy test audit (*i.e.,* reference method) data and performance test (*i.e.,* compliance test) data, except opacity data, electronically to EPA's Central Data Exchange (CDX) by using the Electronic Reporting Tool (ERT) (see *http://www.epa.gov/ttn/chief/ert/ert tool.html/*) or other compatible electronic spreadsheet. Only data collected using test methods compatible with ERT are subject to this requirement to be submitted electronically into EPA's WebFIRE database.

(d) The owner or operator of an affected facility seeking to demonstrate compliance under § 60.43c(e)(4) shall follow the applicable procedures under § 60.48c(f). For residual oil-fired affected facilities, fuel supplier certifications are only allowed for facilities with heat input capacities between 2.9 and 8.7 MW (10 to 30 MMBtu/h).

[72 FR 32759, June 13, 2007, as amended at 74 FR 5091, Jan. 28, 2009; 76 FR 3523, Jan. 20, 2011; 77 FR 9463, Feb. 16, 2012]

§ 60.46c Emission monitoring for sulfur dioxide.

(a) Except as provided in paragraphs (d) and (e) of this section, the owner or operator of an affected facility subject to the SO_2 emission limits under § 60.42c shall install, calibrate, maintain, and operate a CEMS for measuring SO_2 concentrations and either O_2 or CO_2 concentrations at the outlet of the SO_2 control device (or the outlet of the steam generating unit if no SO_2 control device is used), and shall record the output of the system. The owner or operator of an affected facility subject to the percent reduction requirements under § 60.42c shall measure SO_2 concentrations and either O_2 or CO_2 concentrations at both the inlet and outlet of the SO_2 control device.

(b) The 1-hour average SO_2 emission rates measured by a CEMS shall be expressed in ng/J or lb/MMBtu heat input and shall be used to calculate the average emission rates under § 60.42c. Each 1-hour average SO_2 emission rate must be based on at least 30 minutes of operation, and shall be calculated using the data points required under § 60.13(h)(2). Hourly SO_2 emission rates are not calculated if the

affected facility is operated less than 30 minutes in a 1-hour period and are not counted toward determination of a steam generating unit operating day.

(c) The procedures under § 60.13 shall be followed for installation, evaluation, and operation of the CEMS.

(1) All CEMS shall be operated in accordance with the applicable procedures under Performance Specifications 1, 2, and 3 of appendix B of this part.

(2) Quarterly accuracy determinations and daily calibration drift tests shall be performed in accordance with Procedure 1 of appendix F of this part.

(3) For affected facilities subject to the percent reduction requirements under § 60.42c, the span value of the SO_2 CEMS at the inlet to the SO_2 control device shall be 125 percent of the maximum estimated hourly potential SO_2 emission rate of the fuel combusted, and the span value of the SO_2 CEMS at the outlet from the SO_2 control device shall be 50 percent of the maximum estimated hourly potential SO_2 emission rate of the fuel combusted.

(4) For affected facilities that are not subject to the percent reduction requirements of § 60.42c, the span value of the SO_2 CEMS at the outlet from the SO_2 control device (or outlet of the steam generating unit if no SO_2 control device is used) shall be 125 percent of the maximum estimated hourly potential SO_2 emission rate of the fuel combusted.

(d) As an alternative to operating a CEMS at the inlet to the SO_2 control device (or outlet of the steam generating unit if no SO_2 control device is used) as required under paragraph (a) of this section, an owner or operator may elect to determine the average SO_2 emission rate by sampling the fuel prior to combustion. As an alternative to operating a CEMS at the outlet from the SO_2 control device (or outlet of the steam generating unit if no SO_2 control device is used) as required under paragraph (a) of this section, an owner or operator may elect to determine the average SO_2 emission rate by using Method 6B of appendix A of this part. Fuel sampling shall be conducted pursuant to either paragraph (d)(1) or (d)(2) of this section. Method 6B of appendix A of this part shall be conducted pursuant to paragraph (d)(3) of this section.

(1) For affected facilities combusting coal or oil, coal or oil samples shall be collected daily in an as-fired condition at the inlet to the steam generating unit and analyzed for sulfur content and heat content according the Method 19 of appendix A of this part. Method 19 of appendix A of this part provides procedures for converting these measurements into the format to be used in calculating the average SO_2 input rate.

(2) As an alternative fuel sampling procedure for affected facilities combusting oil, oil samples may be collected from the fuel tank for each steam generating unit immediately after the fuel tank is filled and before any oil is combusted. The owner or operator of the affected facility shall analyze the oil sample to determine the sulfur content of the oil. If a partially empty fuel tank is refilled, a new sample and analysis of the fuel in the tank would be required upon filling. Results of the fuel analysis taken after each new shipment of oil is received shall be used as the daily value when calculating the 30-day rolling average until the next shipment is received. If the fuel analysis shows that the sulfur content in the fuel tank is greater than 0.5 weight percent sulfur, the owner or operator shall ensure that the sulfur content of subsequent oil shipments is low enough to cause the 30-day rolling average sulfur content to be 0.5 weight percent sulfur or less.

(3) Method 6B of appendix A of this part may be used in lieu of CEMS to measure SO_2 at the inlet or outlet of the SO_2 control system. An initial stratification test is required to verify the adequacy of the Method 6B of appendix A of this part sampling location. The stratification test shall consist of three paired

runs of a suitable SO_2 and CO_2 measurement train operated at the candidate location and a second similar train operated according to the procedures in § 3.2 and the applicable procedures in section 7 of Performance Specification 2 of appendix B of this part. Method 6B of appendix A of this part, Method 6A of appendix A of this part, or a combination of Methods 6 and 3 of appendix A of this part or Methods 6C and 3A of appendix A of this part are suitable measurement techniques. If Method 6B of appendix A of this part is used for the second train, sampling time and timer operation may be adjusted for the stratification test as long as an adequate sample volume is collected; however, both sampling trains are to be operated similarly. For the location to be adequate for Method 6B of appendix A of this part 24-hour tests, the mean of the absolute difference between the three paired runs must be less than 10 percent (0.10).

(e) The monitoring requirements of paragraphs (a) and (d) of this section shall not apply to affected facilities subject to § 60.42c(h) (1), (2), or (3) where the owner or operator of the affected facility seeks to demonstrate compliance with the SO_2 standards based on fuel supplier certification, as described under § 60.48c(f), as applicable.

(f) The owner or operator of an affected facility operating a CEMS pursuant to paragraph (a) of this section, or conducting as-fired fuel sampling pursuant to paragraph (d)(1) of this section, shall obtain emission data for at least 75 percent of the operating hours in at least 22 out of 30 successive steam generating unit operating days. If this minimum data requirement is not met with a single monitoring system, the owner or operator of the affected facility shall supplement the emission data with data collected with other monitoring systems as approved by the Administrator.

§ 60.47c Emission monitoring for particulate matter.

(a) Except as provided in paragraphs (c), (d), (e), and (f) of this section, the owner or operator of an affected facility combusting coal, oil, or wood that is subject to the opacity standards under § 60.43c shall install, calibrate, maintain, and operate a continuous opacity monitoring system (COMS) for measuring the opacity of the emissions discharged to the atmosphere and record the output of the system. The owner or operator of an affected facility subject to an opacity standard in § 60.43c(c) that is not required to use a COMS due to paragraphs (c), (d), (e), or (f) of this section that elects not to use a COMS shall conduct a performance test using Method 9 of appendix A-4 of this part and the procedures in § 60.11 to demonstrate compliance with the applicable limit in § 60.43c by April 29, 2011, within 45 days of stopping use of an existing COMS, or within 180 days after initial startup of the facility, whichever is later, and shall comply with either paragraphs (a)(1), (a)(2), or (a)(3) of this section. The observation period for Method 9 of appendix A-4 of this part performance tests may be reduced from 3 hours to 60 minutes if all 6-minute averages are less than 10 percent and all individual 15-second observations are less than or equal to 20 percent during the initial 60 minutes of observation.

(1) Except as provided in paragraph (a)(2) and (a)(3) of this section, the owner or operator shall conduct subsequent Method 9 of appendix A-4 of this part performance tests using the procedures in paragraph (a) of this section according to the applicable schedule in paragraphs (a)(1)(i) through (a)(1)(iv) of this section, as determined by the most recent Method 9 of appendix A-4 of this part performance test results.

(i) If no visible emissions are observed, a subsequent Method 9 of appendix A-4 of this part performance test must be completed within 12 calendar months from the date that the most recent performance test was conducted or within 45 days of the next day that fuel with an opacity standard is combusted, whichever is later;

(ii) If visible emissions are observed but the maximum 6-minute average opacity is less than or equal to 5 percent, a subsequent Method 9 of appendix A-4 of this part performance test must be completed within 6 calendar months from the date that the most recent performance test was conducted or within 45 days of the next day that fuel with an opacity standard is combusted, whichever is later;

(iii) If the maximum 6-minute average opacity is greater than 5 percent but less than or equal to 10 percent, a subsequent Method 9 of appendix A-4 of this part performance test must be completed within 3 calendar months from the date that the most recent performance test was conducted or within 45 days of the next day that fuel with an opacity standard is combusted, whichever is later; or

(iv) If the maximum 6-minute average opacity is greater than 10 percent, a subsequent Method 9 of appendix A-4 of this part performance test must be completed within 45 calendar days from the date that the most recent performance test was conducted.

(2) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 of appendix A-4 of this part performance test, the owner or operator may, as an alternative to performing subsequent Method 9 of appendix A-4 of this part performance tests, elect to perform subsequent monitoring using Method 22 of appendix A-7 of this part according to the procedures specified in paragraphs (a)(2)(i) and (ii) of this section.

(i) The owner or operator shall conduct 10 minute observations (during normal operation) each operating day the affected facility fires fuel for which an opacity standard is applicable using Method 22 of appendix A-7 of this part and demonstrate that the sum of the occurrences of any visible emissions is not in excess of 5 percent of the observation period (*i.e.* , 30 seconds per 10 minute period). If the sum of the occurrence of any visible emissions is greater than 30 seconds during the initial 10 minute observation, immediately conduct a 30 minute observation. If the sum of the occurrence of visible emissions is greater than 5 percent of the observation period (*i.e.,* 90 seconds per 30 minute period), the owner or operator shall either document and adjust the operation of the facility and demonstrate within 24 hours that the sum of the occurrence of visible emissions is equal to or less than 5 percent during a 30 minute observation (*i.e.,* 90 seconds) or conduct a new Method 9 of appendix A-4 of this part performance test using the procedures in paragraph (a) of this section within 45 calendar days according to the requirements in § 60.45c(a)(8).

(ii) If no visible emissions are observed for 10 operating days during which an opacity standard is applicable, observations can be reduced to once every 7 operating days during which an opacity standard is applicable. If any visible emissions are observed, daily observations shall be resumed.

(3) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 of appendix A-4 of this part performance test, the owner or operator may, as an alternative to performing subsequent Method 9 of appendix A-4 performance tests, elect to perform subsequent monitoring using a digital opacity compliance system according to a site-specific monitoring plan approved by the Administrator. The observations shall be similar, but not necessarily identical, to the requirements in paragraph (a)(2) of this section. For reference purposes in preparing the monitoring plan, see OAQPS “Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems.” This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Policy Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods.

(b) All COMS shall be operated in accordance with the applicable procedures under Performance Specification 1 of appendix B of this part. The span value of the opacity COMS shall be between 60 and 80 percent.

(c) Owners and operators of an affected facilities that burn only distillate oil that contains no more than 0.5 weight percent sulfur and/or liquid or gaseous fuels with potential sulfur dioxide emission rates of 26 ng/J (0.060 lb/MMBtu) heat input or less and that do not use a post-combustion technology to reduce SO2 or PM emissions and that are subject to an opacity standard in § 60.43c(c) are not required to operate a COMS if they follow the applicable procedures in § 60.48c(f).

(d) Owners or operators complying with the PM emission limit by using a PM CEMS must calibrate, maintain, operate, and record the output of the system for PM emissions discharged to the atmosphere as specified in § 60.45c(c). The CEMS specified in paragraph § 60.45c(c) shall be operated and data recorded during all periods of operation of the affected facility except for CEMS breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments.

(e) Owners and operators of an affected facility that is subject to an opacity standard in § 60.43c(c) and that does not use post-combustion technology (except a wet scrubber) for reducing PM, SO_2 , or carbon monoxide (CO) emissions, burns only gaseous fuels or fuel oils that contain less than or equal to 0.5 weight percent sulfur, and is operated such that emissions of CO discharged to the atmosphere from the affected facility are maintained at levels less than or equal to 0.15 lb/MMBtu on a boiler operating day average basis is not required to operate a COMS. Owners and operators of affected facilities electing to comply with this paragraph must demonstrate compliance according to the procedures specified in paragraphs (e)(1) through (4) of this section; or

(1) You must monitor CO emissions using a CEMS according to the procedures specified in paragraphs (e)(1)(i) through (iv) of this section.

(i) The CO CEMS must be installed, certified, maintained, and operated according to the provisions in § 60.58b(i)(3) of subpart Eb of this part.

(ii) Each 1-hour CO emissions average is calculated using the data points generated by the CO CEMS expressed in parts per million by volume corrected to 3 percent oxygen (dry basis).

(iii) At a minimum, valid 1-hour CO emissions averages must be obtained for at least 90 percent of the operating hours on a 30-day rolling average basis. The 1-hour averages are calculated using the data points required in § 60.13(h)(2).

(iv) Quarterly accuracy determinations and daily calibration drift tests for the CO CEMS must be performed in accordance with procedure 1 in appendix F of this part.

(2) You must calculate the 1-hour average CO emissions levels for each steam generating unit operating day by multiplying the average hourly CO output concentration measured by the CO CEMS times the corresponding average hourly flue gas flow rate and divided by the corresponding average hourly heat input to the affected source. The 24-hour average CO emission level is determined by calculating the arithmetic average of the hourly CO emission levels computed for each steam generating unit operating day.

(3) You must evaluate the preceding 24-hour average CO emission level each steam generating unit operating day excluding periods of affected source startup, shutdown, or malfunction. If the 24-hour average CO emission level is greater than 0.15 lb/MMBtu, you must initiate investigation of the relevant equipment and control systems within 24 hours of the first discovery of the high emission incident and, take the appropriate corrective action as soon as practicable to adjust control settings or repair equipment to reduce the 24-hour average CO emission level to 0.15 lb/MMBtu or less.

(4) You must record the CO measurements and calculations performed according to paragraph (e) of this section and any corrective actions taken. The record of corrective action taken must include the date and time during which the 24-hour average CO emission level was greater than 0.15 lb/MMBtu, and the date, time, and description of the corrective action.

(f) An owner or operator of an affected facility that is subject to an opacity standard in § 60.43c(c) is not required to operate a COMS provided that the affected facility meets the conditions in either paragraphs (f)(1), (2), or (3) of this section.

(1) The affected facility uses a fabric filter (baghouse) as the primary PM control device and, the owner or operator operates a bag leak detection system to monitor the performance of the fabric filter according to the requirements in section § 60.48Da of this part.

(2) The affected facility uses an ESP as the primary PM control device, and the owner or operator uses an ESP predictive model to monitor the performance of the ESP developed in accordance and operated according to the requirements in section § 60.48Da of this part.

(3) The affected facility burns only gaseous fuels and/or fuel oils that contain no greater than 0.5 weight percent sulfur, and the owner or operator operates the unit according to a written site-specific monitoring plan approved by the permitting authority. This monitoring plan must include procedures and criteria for establishing and monitoring specific parameters for the affected facility indicative of compliance with the opacity standard. For testing performed as part of this site-specific monitoring plan, the permitting authority may require as an alternative to the notification and reporting requirements specified in §§ 60.8 and 60.11 that the owner or operator submit any deviations with the excess emissions report required under § 60.48c(c).

[72 FR 32759, June 13, 2007, as amended at 74 FR 5091, Jan. 28, 2009; 76 FR 3523, Jan. 20, 2011; 77 FR 9463, Feb. 16, 2012]

§ 60.48c Reporting and recordkeeping requirements.

(a) The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction and actual startup, as provided by § 60.7 of this part. This notification shall include:

(1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.

(2) If applicable, a copy of any federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under § 60.42c, or § 60.43c.

(3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

(4) Notification if an emerging technology will be used for controlling SO_2 emissions. The Administrator will examine the description of the control device and will determine whether the technology qualifies as an emerging technology. In making this determination, the Administrator may require the owner or operator of the affected facility to submit additional information concerning the control device. The affected facility is subject to the provisions of § 60.42c(a) or (b)(1), unless and until this determination is made by the Administrator.

(b) The owner or operator of each affected facility subject to the SO_2 emission limits of § 60.42c, or the PM or opacity limits of § 60.43c, shall submit to the Administrator the performance test data from the initial and any subsequent performance tests and, if applicable, the performance evaluation of the CEMS and/or COMS using the applicable performance specifications in appendix B of this part.

(c) In addition to the applicable requirements in § 60.7, the owner or operator of an affected facility subject to the opacity limits in § 60.43c(c) shall submit excess emission reports for any excess emissions from the affected facility that occur during the reporting period and maintain records according to the requirements specified in paragraphs (c)(1) through (3) of this section, as applicable to the visible emissions monitoring method used.

(1) For each performance test conducted using Method 9 of appendix A-4 of this part, the owner or operator shall keep the records including the information specified in paragraphs (c)(1)(i) through (iii) of this section.

(i) Dates and time intervals of all opacity observation periods;

(ii) Name, affiliation, and copy of current visible emission reading certification for each visible emission observer participating in the performance test; and

(iii) Copies of all visible emission observer opacity field data sheets;

(2) For each performance test conducted using Method 22 of appendix A-4 of this part, the owner or operator shall keep the records including the information specified in paragraphs (c)(2)(i) through (iv) of this section.

(i) Dates and time intervals of all visible emissions observation periods;

(ii) Name and affiliation for each visible emission observer participating in the performance test;

(iii) Copies of all visible emission observer opacity field data sheets; and

(iv) Documentation of any adjustments made and the time the adjustments were completed to the affected facility operation by the owner or operator to demonstrate compliance with the applicable monitoring requirements.

(3) For each digital opacity compliance system, the owner or operator shall maintain records and submit reports according to the requirements specified in the site-specific monitoring plan approved by the Administrator

(d) The owner or operator of each affected facility subject to the SO_2 emission limits, fuel oil sulfur limits, or percent reduction requirements under § 60.42c shall submit reports to the Administrator.

(e) The owner or operator of each affected facility subject to the SO_2 emission limits, fuel oil sulfur limits, or percent reduction requirements under § 60.42c shall keep records and submit reports as required under paragraph (d) of this section, including the following information, as applicable.

(1) Calendar dates covered in the reporting period.

(2) Each 30-day average SO_2 emission rate (ng/J or lb/MMBtu), or 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period; reasons for any noncompliance with the emission standards; and a description of corrective actions taken.

(3) Each 30-day average percent of potential SO_2 emission rate calculated during the reporting period, ending with the last 30-day period; reasons for any noncompliance with the emission standards; and a description of the corrective actions taken.

(4) Identification of any steam generating unit operating days for which SO_2 or diluent (O_2 or CO_2) data have not been obtained by an approved method for at least 75 percent of the operating hours; justification for not obtaining sufficient data; and a description of corrective actions taken.

(5) Identification of any times when emissions data have been excluded from the calculation of average emission rates; justification for excluding data; and a description of corrective actions taken if data have

been excluded for periods other than those during which coal or oil were not combusted in the steam generating unit.

(6) Identification of the F factor used in calculations, method of determination, and type of fuel combusted.

(7) Identification of whether averages have been obtained based on CEMS rather than manual sampling methods.

(8) If a CEMS is used, identification of any times when the pollutant concentration exceeded the full span of the CEMS.

(9) If a CEMS is used, description of any modifications to the CEMS that could affect the ability of the CEMS to comply with Performance Specifications 2 or 3 of appendix B of this part.

(10) If a CEMS is used, results of daily CEMS drift tests and quarterly accuracy assessments as required under appendix F, Procedure 1 of this part.

(11) If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described under paragraph (f)(1), (2), (3), or (4) of this section, as applicable. In addition to records of fuel supplier certifications, the report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

(f) Fuel supplier certification shall include the following information:

(1) For distillate oil:

(i) The name of the oil supplier;

(ii) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in § 60.41c; and

(iii) The sulfur content or maximum sulfur content of the oil.

(2) For residual oil:

(i) The name of the oil supplier;

(ii) The location of the oil when the sample was drawn for analysis to determine the sulfur content of the oil, specifically including whether the oil was sampled as delivered to the affected facility, or whether the sample was drawn from oil in storage at the oil supplier's or oil refiner's facility, or other location;

(iii) The sulfur content of the oil from which the shipment came (or of the shipment itself); and

(iv) The method used to determine the sulfur content of the oil.

(3) For coal:

(i) The name of the coal supplier;

(ii) The location of the coal when the sample was collected for analysis to determine the properties of the coal, specifically including whether the coal was sampled as delivered to the affected facility or whether the sample was collected from coal in storage at the mine, at a coal preparation plant, at a coal supplier's facility, or at another location. The certification shall include the name of the coal mine (and coal seam), coal storage facility, or coal preparation plant (where the sample was collected);

(iii) The results of the analysis of the coal from which the shipment came (or of the shipment itself) including the sulfur content, moisture content, ash content, and heat content; and

(iv) The methods used to determine the properties of the coal.

(4) For other fuels:

(i) The name of the supplier of the fuel;

(ii) The potential sulfur emissions rate or maximum potential sulfur emissions rate of the fuel in ng/J heat input; and

(iii) The method used to determine the potential sulfur emissions rate of the fuel.

(g)(1) Except as provided under paragraphs (g)(2) and (g)(3) of this section, the owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each operating day.

(2) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in § 60.48c(f) to demonstrate compliance with the SO_2 standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

(3) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to this subpart) at that property are natural gas, wood, distillate oil meeting the most current requirements in § 60.42C to use fuel certification to demonstrate compliance with the SO_2 standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month.

(h) The owner or operator of each affected facility subject to a federally enforceable requirement limiting the annual capacity factor for any fuel or mixture of fuels under § 60.42c or § 60.43c shall calculate the annual capacity factor individually for each fuel combusted. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of the calendar month.

(i) All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

(j) The reporting period for the reports required under this subpart is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.

[72 FR 32759, June 13, 2007, as amended at 74 FR 5091, Jan. 28, 2009]

Indiana Department of Environmental Management
Office of Air Quality

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

Source Description and Location

Source Name:	Chrysler Group, LLC - Kokomo Casting Plant
Source Location:	1001 E Boulevard, Kokomo, Indiana 46904
County:	Howard
SIC Code:	3363
Operation Permit No.:	T067-25272-00065
Operation Permit Issuance Date:	January 5, 2009
Significant Source Modification No.:	067-33120-00065
Significant Permit Modification No.:	067-33130-00065
Permit Reviewer:	Laura Spriggs

Source Definition

This source consists of two (2) plants:

(a) Chrysler Group, LLC - Kokomo Casting Plant (KCP) is located at 1001 East Boulevard, Kokomo, Indiana 46904. This plant is a stationary aluminum die cast plant (SIC Code 3363).

(b) Chrysler Group, LLC - Kokomo Transmission Plant (KTP) is located at 2401 S. Reed Road, Kokomo, Indiana 46904. This plant consists of machining, cleaning, and heat treating facilities to produce transmissions for use in automobiles and light duty trucks (SIC Code 3714).

These plants are considered a single source with a source ID of 067-00065. Separate Part 70 Operating Permits have been issued solely for administrative purposes. The Kokomo Casting Plant was issued Part 70 Operating Permit Renewal No. T067-25272-00065 on January 5, 2009. The Kokomo Transmission Plant was issued Part 70 Operating Permit Renewal No. T067-18292-00065 on January 16, 2009.

Existing Approvals

The source was issued Part 70 Operating Permit Renewal No. T067-25272-00065 on January 5, 2009. The source has since received the following approvals for the Kokomo Casting Plant:

(a) Administrative Amendment No. 067-27704-00065, issued on April 1, 2009;

(b) Administrative Amendment No. 067-28285-00065, issued on July 30, 2009;

(c) Administrative Amendment No. 067-28612-00065, issued on October 30, 2009;

(d) Minor Source Modification No. 067-29011-00065, issued on April 21, 2010;

(e) Significant Permit Modification No. 067-29123-00065, issued on June 15, 2010; and

(f) Significant Permit Modification No. 067-32163-00065, issued on December 13, 2012.

County Attainment Status

The source is located in Howard County.

Pollutant	Designation
SO_2	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O_3	Unclassifiable or attainment effective June 15, 2004, for the 8-hour ozone standard.[1]
PM_{10}	Unclassifiable effective November 15, 1990.
NO_2	Cannot be classified or better than national standards.
Pb	Not designated.
[1]Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM2.5.	

(a) Ozone Standards
Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. 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) $PM_{2.5}$
Howard County has been classified as attainment for $PM_{2.5}$. On May 8, 2008 U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for $PM_{2.5}$ emissions. These rules became effective on July 15, 2008. On May 4, 2011 the air pollution control board issued an emergency rule establishing the direct $PM_{2.5}$ significant level at ten (10) tons per year. This rule became effective, June 28, 2011. Therefore, direct $PM_{2.5}$, SO_2, and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

(c) Other Criteria Pollutants
Howard County has been classified as attainment or unclassifiable in Indiana for PM10, SO2, NO2, CO, and lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

The source includes an aluminum die cast plant and a plant consisting of machining, cleaning, and heat treating facilities for the production of transmissions. These activities are not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability for the primary operations. The source also consists of fossil fuel boilers totaling more than 250 MMBtu/hr heat input, which are considered one of the 28 listed source categories, based on the EPA guidance for "nesting activities". Therefore, any fugitive emissions from these boilers are counted toward PSD, Emission Offset, and Part 70 Permit 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** (ton/yr)
PM	Greater than 250
PM_{10}	Greater than 250
$PM_{2.5}$	Greater than 250
SO_2	Less than 100
VOC	Greater than 100, Less than 250
CO	Greater than 250
NO_X	Greater than 100, Less than 250
GHGs as CO_2e	Greater than 100,000
Total HAPs	Less than 25
Single HAP	Less than 10

(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, emissions of GHGs are equal to or greater than one hundred thousand (100,000) tons of CO_2 equivalent emissions (CO_2e) per year, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).

(b) This existing source is not a major source of HAPs, as defined in 40 CFR 63.2, 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).

(c) These emissions are based upon the technical support documents for T067-25272-00065 (KCP), T067-18292-00065 (KTP), 067-29011-00065 (KCP), 067-30807-00065 (KTP), and 067-31934-00065 (KTP).

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application submitted by Chrysler Group, LLC - Kokomo Casting Plant on April 25, 2013 relating to the installation of new equipment to support production of transmission parts for the EP2 FWD transmission. The following is a list of the proposed emission units and pollution control devices:

(a) Seven (7) dry deburring systems, identified as Dry Deburr 1 - 7, each with one (1) station for handling parts, one (1) station for drilling and tapping parts, and four (4) stations for processing parts through milling and brushing heads, approved in 2013 for construction, with emissions uncontrolled, and exhausting within the plant.

(b) Two (2) Wheelabrator rotary shotblast units, identified as DC-10 and DC-11, approved in 2013 for construction, each with a maximum shotblast rate of 135,000 pounds per hour, with particulate emissions controlled by cartridge filters.

Note: The units above are related to an overall EP2 FWD Transmission project, which includes an EP2 FWD Transmission project at the Kokomo Transmission Plant, permitted in Significant Source Modification No. 067-31934-00065, issued on September 4, 2012, and a Tipton Machining line project at the Kokomo Transmission Plant that has yet to be permitted.

Additionally, the descriptive information and permit requirements for shotblast units DC1, DC6, and DC10 and boiler 1BLR have been removed from the permit. DC1, DC6, and 1BLR have been removed from the source, as indicated in the application for the Part 70 Operating Permit Renewal (T067-32951-00065). DC10, which was approved for construction in MSM No. 067-29011-00065, issued on April 21, 2010, was never constructed.

Enforcement Issues

There are no pending enforcement actions related to this modification.

Emission Calculations

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

Permit Level Determination – Part 70

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

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

Increase in PTE Before Controls of the Modification	
Pollutant	**Potential To Emit** (ton/yr)
PM	266.2
PM_{10}	266.1
$PM_{2.5}$	266.1
SO_2	--
VOC	--
CO	--
NO_X	--
Single HAPs	<10
Total HAPs	<25

This source modification is subject to 326 IAC 2-7-10.5(g)(4) (Significant Source Modification) because the potentials to emit of PM and PM10 are each greater than twenty-five (25) tons per year. Additionally, the modification will be incorporated into the Part 70 Operating Permit through a significant permit modification, issued pursuant to 326 IAC 2-7-12(d), because the modification requires case-by-case determination of emission limitations.

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 source and permit modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

	Potential to Emit (ton/yr)							
Process / Emission Unit	**PM**	**PM_{10}**	**$PM_{2.5}$***	**SO_2**	**VOC**	**CO**	**NO_X**	**GHGs**
Dry Deburring (Dry Debur 1 - 7)	0.116	0.012	0.012	--	--	--	--	--
Shotblasting (DC-10 and DC-11)	2.663	2.663	2.663	--	--	--	--	--
Total for Kokomo Casting Plant	2.78	2.67	2.67	0	0	0	0	0
Kokomo Transmission Plant EP2 FWD Project (Permitted in 067-31934-00065)[1]	7.44	4.58	3.16	--	0.06	--	--	--
Kokomo Transmission Plant EP2 FWD Project - Tipton Machining Line[2]	1.52	1.52	1.52	--	0.03	--	--	--
Total for EP2 FWD Modification	11.74	8.78	7.35	0	0.09	0	0	0
PSD Significant Level	25	15	10	40	40	100	40	75,000 CO_2e

*$PM_{2.5}$ listed is direct $PM_{2.5}$.
[1]PTE listed in the table is based on emission limitations included in Significant Source Modification No. 067-31934-00065, issued on September 4, 2012.
[2]The application for this project has not yet been submitted. The PTE for the Tipton Machining Line project was provided by the Permittee in the application for this project.

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

(b) Since this source is considered a major PSD source and the unrestricted potential to emit of this modification is greater than twenty-five (25) tons of PM per year, fifteen (15) tons of PM10 per year, and ten (10) tons of PM2.5 per year, the source has elected to limit the potential to emit of this modification as follows:

(1) The PM emissions from Shotblast Unit DC-10 and Shotblast Unit DC-11 shall be less than 0.304 lb/hr each.

(2) The PM10 emissions from Shotblast Unit DC-10 and Shotblast Unit DC-11 shall be less than 0.304 lb/hr each.

(3) The PM2.5 emissions from Shotblast Unit DC-10 and Shotblast Unit DC-11 shall be less than 0.304 lb/hr each.

Compliance with the above limits combined with the limits established in SSM No. 067-31934-00065 and the potential to emit from other units related to the EP2 FWD project shall limit emissions of PM, PM10, and PM2.5 to less than twenty-five (25), fifteen (15), and ten (10) tons per twelve (12) consecutive month, respectively, and shall render the requirements of 326 IAC 2-2 not applicable.

Federal Rule Applicability Determination

The following is a discussion of the federal rules applicability due to this modification:

New Source Performance Standard (NSPS):

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

National Emission Standards for Hazardous Air Pollutants (NESHAP):

(b) 40 CFR 63, Subpart XXXXXX: National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

The source is not subject to the provisions of 40 CFR 63, Subpart XXXXXX because the source is not primarily engaged in the operations in one of the nine source categories listed and described in 40 CFR 63, Subpart XXXXXX.

(c) 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.

Compliance Assurance Monitoring (CAM):

(d) 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 Part 70 major source threshold for the pollutant involved;

(2) is subject to an emission limitation or standard for that pollutant; and

(3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The following table is used to identify the applicability of each of the criteria, under 40 CFR 64.1, to each new or modified emission unit involved:

CAM Applicability Analysis							
Emission Unit / Pollutant	**Control Device Used**	**Emission Limitation or Standard** (Y/N)	**Uncontrolled PTE** (ton/yr)	**Controlled PTE** (ton/yr)	**Part 70 Major Source Threshold** (ton/yr)	**CAM Applicable** (Y/N)	**Large Unit** (Y/N)
Shotblast unit DC-10 / PM	Y - CF	Y	133.04	1.33	100	Y	N
Shotblast unit DC-10 / PM10	Y - CF	Y	133.04	1.33	100	Y	N
Shotblast unit DC-10 / PM2.5	Y - CF	Y	133.04	1.33	100	Y	N
Shotblast unit DC-11 / PM	Y - CF	Y	133.04	1.33	100	Y	N
Shotblast unit DC-11 / PM10	Y - CF	Y	133.04	1.33	100	Y	N
Shotblast unit DC-11 / PM2.5	Y - CF	Y	133.04	1.33	100	Y	N

CF = cartridge filter

Based on this evaluation, the requirements of 40 CFR Part 64, CAM are applicable to the shotblast units for PM, PM10, and PM2.5 upon issuance of the next Title V Renewal. A CAM plan must be submitted as part of the Renewal application.

State Rule Applicability Determination

The following is a discussion of the state rules applicability due to this modification:

326 IAC 2-2 (Prevention of Significant Deterioration)
PSD applicability is discussed under the Permit Level Determination – PSD section.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The operation of the shotblast units (DC-10 and DC-11) and the dry deburring systems (Dry Deburr 1-7) will each 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, 326 IAC 2-4.1 does not apply to these units as part of this modification.

Additionally, in order to keep the entire source limited to 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, the Source shall limit emissions as follows:

(a) PM emissions from DC-10 and DC-11 shall be less than 0.304 lb/hr each.

(b) The total metallic HAP content of the shot used by DC-10 and DC-11 shall not exceed 0.0175 pound of total metallic HAPs per pound of shot.

Compliance with the above limits, in combination with other HAP limits for units at the Kokomo Casting Plant and the Kokomo Transmission Plant and the unrestricted potential to emit of HAPs from all other units, shall limit the source-wide potential to emit of any single HAP to less than ten (10) tons per twelve (12) consecutive month period and of any combination of HAPs to less than twenty-five (25) tons per twelve (12) consecutive month period. Therefore, the source is considered an area source.

Note: TSD Appendix A includes the potential to emit of HAPs from the entire source to show that the source is adequately limited for HAPs.

326 IAC 2-6 (Emission Reporting)
This source is subject to 326 IAC 2-6 (Emission Reporting) because it is required to have an operating permit pursuant to 326 IAC 2-7 (Part 70). The potential to emit of PM10 is greater than 250 tons per year. Therefore, pursuant to 326 IAC 2-6-3(a)(1), annual reporting is required. An emission statement shall be submitted by July 1, 2014, and every year thereafter. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
Pursuant to 326 IAC 6.5-1-1(a)(2)(A), Chrysler Group, LLC is subject to the requirements of 326 IAC 6.5-1 because the source is located in Howard County and has the potential to emit one hundred tons or more of particulate matter per year. While the source is specifically listed in 326 IAC 6.5-5-2, the units related to this modification are not specifically listed.

Therefore, pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from the two (2) shotblast units (DC-10 and DC-11) and the seven (7) dry deburring systems (Dry Deburr 1-7) shall each not exceed 0.03 grain per dry standard cubic foot (dscf).

Based on information provided by the Permittee, the seven (7) dry deburring systems are capable of complying with this emission limitation without the use of a control device. The two (2) shotblast units are capable of complying with this emission limitation with the use of a control device. Therefore, the cartridge filters for particulate control shall be in operation and control particulate emissions from the shotblast units at all times that the shotblast units are in operation.

326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(c)(3), the provisions of 326 IAC 6-3 shall not apply if a particulate matter limitation established in 326 IAC 6.5 is more stringent than the particulate limitation established in 326 IAC 6-3. The emission limitations established in 326 IAC 6.5 are more stringent than those that would be required pursuant to 326 IAC 6-3; therefore, the requirements of 326 IAC 6-3 are not applicable to the units as part of this modification.

326 IAC 8-1-6 (General Reduction Requirements for New Facilities)
The provisions of 326 IAC 8-1-6 are applicable to new facilities (as of January 1, 1980) that have potential VOC emissions of twenty-five (25) tons or more per year; are located anywhere in the state; and that are not otherwise regulated by another provision under 326 IAC 8, 326 IAC 20-48, or 326 IAC 20-56. The shotblast units and dry deburring systems do not have potential VOC emissions. Therefore, the requirements of 326 IAC 8-1-6 are not applicable to the units as part of this modification.

Compliance Determination and Monitoring Requirements

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

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

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

Shotblast Units - Cartridge Filters
In order to ensure compliance with 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County) and to render 326 IAC 2-2 (PSD) not applicable to this modification, the Permittee shall operate the cartridge filters controlling particulate emissions from shotblast units DC-10 and DC011 at all times that DC-10 and DC-11 are in operation.

Testing
Not later than 180 days after initial startup and in order to demonstrate compliance with the PSD minor limits, HAP minor limits, and 326 IAC 6.5 emission limit, the Permittee shall perform PM, PM10, and PM2.5 testing on one (1) of the Wheelabrator rotary shotblast units, DC-10 or DC-11, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be alternated between DC-10 and DC-11 such that each shotblast unit is tested once every ten (10) years.

The compliance monitoring requirements applicable to this modification are as follows:

Control	Parameter	Frequency	Range	Excursions and Exceedances
Shotblast units DC-10 and DC-11 cartridge filters	Water Pressure Drop	Daily	0.5 to 6.0 inches	Response Steps
	Visible Emissions		Normal-Abnormal	

These monitoring conditions are necessary because the cartridge filters for the shotblast units must operate properly in order to ensure compliance with 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County) and in order to render 326 IAC 2-2 (PSD) not applicable to this modification.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit Renewal No. T067-25272-00065. These changes may include Title I changes (e.g. changes that add or modify synthetic minor emission limits). Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

Changes Affecting Conditions Throughout the Permit

(a) **Multiple Conditions - Rule References**
On November 3, 2011, the Indiana Air Pollution Control Board issued a revision to 326 IAC 2. The revision resulted in a change to the rule citations of the “responsible official”, "trivial activity", "section 502(b)(10) changes", and "regulated pollutant that is used only for purposes of section 19 of this rule" definitions.

(b) **Multiple Conditions - Typographical Errors, Language Clarification**
Throughout the permit, typographical and grammatical errors have been corrected. Additionally, changes to language for clarification or to align with the current preferred permit language conventions have been made.

Changes Specific to Section A of the Permit

(a) A.1 of the permit has been revised to indicate that the Kokomo Casting Plant and Kokomo Transmission Plant are part of the same source and that the source contains a nested activity that is 1 of the 28 source categories, within a non-listed source for purposes of Part 70, PSD, and Emission Offset.

(b) Emission Units DC1, DC6, and 1BLR have been removed from A.2 of the permit. The application for the Part 70 Operating Permit Renewal for the Kokomo Casting Plant indicates that these units have been decommissioned and removed from the plant. Additionally DC10 (permitted in Minor Source Modification No. 067-29011-00065, issued on April 21, 2010) has been removed from A.2 of the permit as this unit was never constructed.

(c) The descriptive information for the new shotblast units DC-10 and DC-11 and the dry deburring systems (Dry Deburr 1-7) has been added to A.2 and A.3 of the permit.

Section A of the permit has been revised as follows:

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary aluminum die cast plant. **The Chrysler, LLC Kokomo Transmission Plant and Chrysler, LLC Kokomo Casting Plant are considered a single Title V major source. The combined source ID for the source is 067-00065.**

Source Address:	1001 East Boulevard, Kokomo, Indiana 46904
General Source Phone Number:	248-512-1104
SIC Code:	3363 (Aluminum Die Castings)
County Location:	Howard
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD Rules Minor Source, Section 112 of the Clean Air Act **Nested Source with fossil fuel fired boilers totaling more than two hundred fifty million (250,000,000)**

British thermal units per hour heat input, as~~Not~~ 1 of 28 Source Categories**, within a non-listed source**

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(14)]

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

(a) **O~~o~~**ne (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, constructed in 2008, with a maximum heat input capacity of 10.93 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 1SM**.**~~;~~

(b) **O~~o~~**ne (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, constructed in 2008, with a maximum heat input capacity of 10.93 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 3SM~~;~~**.**

(c) **O~~o~~**ne (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) **O~~o~~**ne (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) **O~~o~~**ne (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~~;~~**.**

(f) **O~~o~~**ne (1) natural gas-fired aluminum reverberatory furnace, identified as 7RF with no remelt capability and a maximum average throughput of ten (10) tons per hour, 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~~;~~**.**

(g) **O~~o~~**ne (1) natural gas-fired aluminum reverberatory furnace, identified as 8RF with no remelt capability and a maximum average throughput of ten (10) tons per hour, 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~~;~~**.**

(h) **O~~o~~**ne (1) natural gas-fired aluminum reverberatory furnace, identified as 9RF with no remelt capability and a maximum average throughput of ten (10) tons per hour, 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~~;~~**.**

(i) **O~~o~~**ne (1) natural gas-fired aluminum reverberatory furnace, identified as 10RF, with no remelt capability and a maximum average throughput of ten (10) tons per hour, 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~~;~~**.**

~~(j) 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;~~

(~~k~~**j**) **O~~o~~**ne (1) Mesh Belt shotblast machine, identified as DC2, constructed in 1997, with a maximum shotblast rate of 168,000 pounds per hour (84 ton per hour), with emissions controlled by a cartridge filter~~;~~**.**

~~(l) one (1) Mesh Belt shotblast machine, identified as DC6, constructed in 1997, with a maximum shotblast rate of 168,000 pounds per hour (84 ton per hour), with emissions controlled by a cartridge filter;~~

(~~m~~**k**) **O**~~o~~ne (1) Tumbleblast shotblast machine, identified as DC5, constructed in 2000, with a maximum shotblast rate of 40,000 pounds per hour (20 ton per hour), with emissions controlled by cartridge filter~~;~~**.**

(~~n~~**l**) **O**~~o~~ne 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 (87.38 ton per hour), with emissions controlled by a cartridge filter~~;~~**.**

(~~o~~**m**) **O**~~o~~ne (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 (87.38 ton per hour), with emissions controlled by a cartridge filter~~;~~**.**

(~~p~~**n**) **O**~~o~~ne (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 (87.38 ton per hour), with emissions controlled by a cartridge filter approved for modification in 2012, exhausting to Stack DC8~~; and~~**.**

(~~q~~**o**) ~~Two (2)~~**One (1)** Wheelabrator rotary table work machine~~s~~ used for deburring of parts, identified as DC9~~ and DC10~~, permitted in 2010, ~~each~~ with a maximum shot~~-~~blast rate of 135,000 pounds per hour, using a cartridge filter as control.

(p) Two (2) Wheelabrator rotary shotblast units, identified as DC-10 and DC-11, approved in 2013 for construction, each with a maximum shotblast rate of 135,000 pounds per hour, with particulate emissions controlled by cartridge filters.

~~(r) 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;~~

(~~s~~**q**) **O**~~o~~ne (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~~;and~~**.**

(~~t~~**r**) ~~o~~**O**ne (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.

3BLR is considered an affected facility under 40 CFR 60 Subpart Dc, the Permittee shall comply with the provisions of Standard of Performance for Small Industrial-Commercial Institutional Steam Generating Units.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(14)]

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

(a) **D**~~d~~ie casting machines, identified as DCAST1, with emissions uncontrolled and exhausting internally~~;~~**.**

(b) **T**~~t~~rim 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) * * *

(h) Seven (7) dry deburring systems, identified as Dry Deburr 1 - 7, each with one (1) station for handling parts, one (1) station for drilling and tapping parts, and four (4) stations for processing parts through milling and brushing heads, approved in 2013 for construction, with emissions uncontrolled, and exhausting within the plant.

Changes Specific to Sections B and C of the Permit

IDEM, OAQ has made changes to some of the standard language in the B and C conditions of the permit to help clarify the intent of these conditions. The following is a summary of the revisions that have been made to the B and C Sections of the permit:

(a) **Section B - Permit Term, Section B - Prior Permits Superseded, Section B - Permit Amendment or Modification, Section B - Operational Flexibility**
Language related to Title IV of the Clean Air Act has been removed since this source does not have acid rain permit issued pursuant to Title IV of the Clean Air Act and 326 IAC 21.

(b) **Section B - Enforceability**
The appropriate Indiana Code reference has been added to the rule citations.

(c) **Section B - Preventive Maintenance Plan**
Paragraph (b) was revised to indicate that the PMP extension notification does not require a certification by a responsible official.

(d) **Section B - Emergency Provisions**
IDEM, OAQ has decided that the phrases "no later than" and "not later than" are clearer than "within" in relation to the end of a timeline. However, the timelines in subparagraphs (b)(4) and (b)(5) of Section B - Emergency Provisions have been changed back to "within" to reflect the underlying rule that states "within".

(e) **Section B - Operational Flexibility**
On October 27, 2010, the Indiana Air Pollution Control Board issued revisions to 326 IAC 2. These revisions resulted in changes to the rule citations listed in the permit. These changes are not changes to the underlining provisions. The citations in paragraph (a)(5) of Section B- Operational Flexibility have been revised.

(f) **Section B - Source Modification Requirement**
IDEM, OAQ has decided to reference 326 IAC 2 in Section B - Source Modification Requirement rather than the specific construction rule.

(g) **Section C - Response to Excursions or Exceedances**
Paragraph (I) was revised to indicate that it applies to limitations that are not subject to CAM.

Sections B and C of the permit have been revised as follows:

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

(a) ~~The Part 70 Operating~~**This** Permit, T067-25272-00065, is issued for a fixed term of five (5) years, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit ~~do not affect the expiration date of this permit or of permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control)~~.

(b) * * *

* * *

B.4 Enforceability [326 IAC 2-7-7] **[IC 13-17-12]**

* * *

* * *

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

(a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:

(1) it contains a certification by a "responsible official", as defined by 326 IAC 2-7-1 (3~~4~~**5**), and
(2) * * *

(b) * * *

(c) A "responsible official" is defined at 326 IAC 2-7-1(3~~4~~**5**).

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

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

* * *

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(3~~4~~**5**).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]

(a) * * *

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

* * *

The **PMP extension notification**~~submittal by the Permittee~~ does **not** require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(3**5**~~4~~).

The Permittee shall implement the PMPs.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(3**5**~~4~~).

(d) * * *

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

(a) * * *

(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) * * *

(2) * * *

(3) * * *

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, ~~no later than~~**within** four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

* * *

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

~~No later than~~**within** two (2) working days of the time when emission limitations were exceeded due to the emergency.

* * *

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(3~~4~~**5**).

(6) * * *

* * *

* * *

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

(a) * * *

(b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit~~, except for permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control)~~**.**

* * *

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

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(3~~4~~**5**).

* * *

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

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(4~~0~~**2**). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(3~~4~~**5**).

* * *

* * *

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

(a) * * *

~~(b) Pursuant to 326 IAC 2-7-11(b) and 326 IAC 2-7-12(a), administrative Part 70 operating permit amendments and permit modifications for purposes of the acid rain portion of a Part 70 permit shall be governed by regulations promulgated under Title IV of the Clean Air Act. [40 CFR 72]~~

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

* * *

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official", as defined by 326 IAC 2-7-1(3~~4~~**5**).

(~~d~~**c**) * * *

* * *

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) or (c) without a prior permit revision, if each of the following conditions is met:

(1) * * *

(2) * * *
(3) * * *
(4) * * *
(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)**(1) and** ~~or~~ (c)**(1)**. 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) and (c)(1).

(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(3~~6~~**7**)) 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:

* * *

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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(3~~4~~**5**).

(c) * * *
(d) * * *
(e) * * *

~~(f) This condition does not apply to emission trades of SO_2 or NO_x under 326 IAC 21 or 326 IAC 10-4.~~

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

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

~~(b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2.~~

* * *

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

(a) * * *

(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:

* * *

Any such~~The~~ application ~~which shall be submitted by the Permittee~~ does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**).

(c) * * *

* * * * *

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

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

* * *

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 **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**).

* * *

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

C.7 Performance Testing [326 IAC 3-6]

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

* * *

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(3~~4~~**5**).

(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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a ~~by a~~ "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**).

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

* * *

C.9 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)] [40 CFR 64][326 IAC 3-8]

(a) Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial startup, whichever is later, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

* * *

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(3~~4~~**5**).

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.14 Response to Excursions or Exceedances [40 CFR 64][326 IAC 3-8] [326 IAC 2-7-5] [326 IAC 2-7-6]

(I) Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation**, not subject to CAM,** in this permit:

(a) * * *
(b) * * *

(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 ~~necessarily~~ limited to, the following:

* * *

* * *

(II)

(a) * * *
(b) * * *
(c) * * *
(d) * * *
(e) * * *
(f) * * *
(g) * * *
(h) CAM recordkeeping requirements.

(1) The Permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to paragraph (II)(a)(2) of this condition and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this condition (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Section C - General Record Keeping Requirements of this permit contains the Permittee's obligation~~s~~ with regard to the records required by this condition.

(2) * * *

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

* * *

The response action documents submitted pursuant to this condition do require ~~the~~**a** certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**).

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]

Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit ~~no later than~~**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:

(~~a~~**1**) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(~~b~~**2**) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (3~~2~~**3**) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

* * *

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**).

* * *

C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [40 CFR 64][326 IAC 3-8]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that 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. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1)by a "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

* * *

(b) * * *
(c) * * *
(d) * * *
(e) * * *
(f) The report for a project at an existing emissions unit **shall be submitted** no later than sixty (60) days after the end of the year ~~shall~~**and** contain the following:

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

(2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C~~.~~ ~~17.~~ 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 wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction project**ion**.

* * *

(g) * * *

* * *

Changes to the D Sections of the Permit

(a) Conditions D.1.3 and D.2.2 have been revised indicate the most recently issued Part 70 Operating Permit renewal permit numbers for the Kokomo Casting Plant and Kokomo Transmission Plant.

(b) Condition D.1.3 was revised to reflect the correct limited potential to emit of the furnaces.

(c) Conditions D.1.4, D.1.5, D.2.3, D.3.1, and D.4.1 have been revised to be consistent with each other.

(d) The word "status" has been added to the Record Keeping Requirements and Reporting Requirements. The Permittee has the obligation to document the compliance status. The wording has been revised to properly reflect this.

(e) IDEM, OAQ has decided that the phrases "no later than" and "not later than" are clearer than "within" in relation to the end of a timeline. Therefore, this wording has been changed in Condition D.1.11 - Reporting Requirements. Additionally, for clarity the reference to the general conditions has been changed to "Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition."

(f) The Emissions Unit Descriptions in Section D.2 have been revised to remove DC1, DC6, and DC10 and to add shotblast units DC-10 and DC-11, as described for Section A.2. Additionally, permit requirements for DC1, DC6, and DC10 have been removed from the permit.

(g) Condition D.2.1 has been revised to add PSD minor limits for PM, PM10, and PM2.5 for the new shotblast units DC-10 and DC-11.

(h) Condition D.2.2 has been revised to include HAP minor limits for the new shotblast units, DC-10 and DC-11, and to increase the overall allowable HAP content of the shot to be consistent with limits in the Kokomo Transmission Plant permit. The limited potential to emit from these units has been changed to reflect the removed and new units. These revised limits still allow for the source to be limited to be an area source of HAPs.

(i) Condition D.2.3 has been revised to include particulate limits pursuant to 326 IAC 6.5-1-2(a) for the new shotblast units (DC-10 and DC-11).

(j) IDEM, OAQ has decided that the phrase "In order to ensure compliance with Condition..." is more appropriate than “In order to comply with Condition..." when specifying that a control device must be used to ensure compliance with a permit Condition in Condition D.2.5.

(k) The testing requirement in Condition D.2.6(b) (formerly D.2.6(c)) has been revised to include testing for DC9 along with DC7 and DC8, on a rotating basis. This testing was required in Significant Permit Modification No. 067-29123-00065, issued on June 15, 2010. In Significant Permit Modification No. 067-32163-00065, issued on December 13, 2012, the requirement to test DC9 was inadvertently removed. Therefore, this requirement is being re-instated as part of this modification. The condition also previously included testing requirements for DC10, which was never constructed. Therefore, these requirements are not being re-included back into the condition.

(l) A new testing requirement for DC-10 and DC-11 has been added to Condition D.2.6 in order to demonstrate compliance with PSD minor limits, HAP minor limits, and 326 IAC 6.5 emission limits.

(m) Conditions D.2.7 and D.2.8 have been revised to indicate that the monitoring conditions shall satisfy the requirements of 40 CFR 64, CAM for DC2, DC5, DC4, DC7, and DC8. *Note: CAM is applicable to DC9, and shotblast units DC-10 and DC-11 upon issuance of the next Part 70 Operating Permit Renewal.*

(n) Condition D.2.8 has been revised to indicate that the normal pressure drop range is the range of values indicated in the condition, unless a different upper-bound or lower-bound value for the range is established during the latest stack test.

(o) Boiler 1BLR has been removed from the Emissions Unit Descriptions in Section D.3 as described for Section A.2. Additionally, permit requirements for 1BLR have been removed.

(p) Descriptive information for the seven (7) dry deburring systems (Dry Deburr 1-7) has been added to Section D.4 as described for Section A.3.

(q) Condition D.4.1 has been revised to include the seven (7) dry deburring systems as being subject to the particulate limit pursuant 326 IAC 6.5-1-2(a).

The D Sections of the permit have been revised as follows:

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) **O**~~o~~ne (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, constructed in 2008, with a maximum heat input capacity of 10.93 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 1SM**.**~~;~~

(b) **O**~~o~~ne (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, constructed in 2008, with a maximum heat input capacity of 10.93 million British thermal units per hour, with emissions uncontrolled and exhausting to stack 3SM~~;~~**.**

(c) ~~o~~**O**ne (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) ~~o~~**O**ne (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) **O**~~o~~ne (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~~;~~**.**

(f) **O**~~o~~ne (1) natural gas-fired aluminum reverberatory furnace, identified as 7RF with no remelt capability and a maximum average throughput of ten (10) tons per hour, 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~~;~~**.**

(g) **O**~~o~~ne (1) natural gas-fired aluminum reverberatory furnace, identified as 8RF with no remelt capability and a maximum average throughput of ten (10) tons per hour, 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~~;~~**.**

(h) **O**~~o~~ne (1) natural gas-fired aluminum reverberatory furnace, identified as 9RF with no remelt capability and a maximum average throughput of ten (10) tons per hour, 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~~;~~**.**

(i) **O**~~o~~ne (1) natural gas-fired aluminum reverberatory furnace, identified as 10RF, with no remelt capability and a maximum average throughput of ten (10) tons per hour, 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 emissions unit description box is descriptive information and does not constitute enforceable conditions.)

* * *

D.1.3 Hazardous Air Pollutants (HAPs) Minor Limit [40 CFR 63]

Pursuant to Significant Permit Modification No. 067-22771-00065, issued on July 11 2006 and revised by Operating Permit T067-25272-00065 , 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:

(a) * * *

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

* * *

Compliance with the above limits, when combined with the production limits in Condition D.1.1 and the HAPs emissions from other emission units, will ensure the HAPs emissions from the stack melting/reverberatory furnaces are less then 3.**66**~~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 Group LLC - Kokomo Transmission Plant (Part 70 Operating Permit **Renewal No.** T067-~~6504~~**18292**-00065), and

(b) Chrysler Group LLC - Kokomo Casting Plant (Part 70 Operating Permit **Renewal No.** T067-~~5246~~**25272**-00065).

D.1.4 Particulate Matter Emission Limitations [326 IAC 6.5-5~~-.~~2]

Pursuant to 326 IAC 6.5-5-2, ~~(formerly 326 IAC 6-1-15) (County Specific Particulate Matter Limitations: Chrysler-Haynes), the following conditions shall apply~~**the Permittee shall comply with the following**:

* * *

D.1.5 Particulate Matter Emission Limitations [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2**(a)**, (~~formerly 326 IAC 6-1-2~~**Particulate Matter Limitations Except Lake County**), 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.

D.1.6 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan (PMP) is required for the units in this section. Section B - Preventive Maintenance Plan contains the Permittee's obligation~~s~~ with regard to the preventive maintenance plan required by this condition.

* * *

D.1.9 Visible Emissions Notations

***

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps**.** ~~in accordance with~~ Section C - Response to Excursions or Exceedances **contains the Permittee's obligation with regard to the response steps required by this condition**. Failure to take response steps ~~in accordance with Section C - Response to Excursions or Exceedances~~ shall be considered a deviation from this permit.

D.1.10 Record Keeping Requirements

(a) * * *

(b) To document **the** compliance **status** with Conditions D.1.2 the Permittee shall maintain records of annual particulate matter (PM) emissions in each of the furnace.

(c) To document **the** compliance **status** with Condition D.1.1(a)(1) and (a)(3), the Permittee shall maintain records of metal melted/remelted and the amount of flux usage in each of the furnace, respectively.

(d) To document **the** compliance **status** with Condition D.1.1(b)(1), the Permittee shall maintain records the amount of flux usage in each of the furnace.

(e) To document **the** compliance **status** with Condition D.1.1(c)(1), the Permittee shall maintain records the amount of flux usage in each of the furnace.

(f) To document **the** compliance **status** with Conditions D.1.1(d)(1) the Permittee shall maintain records of metal remelted in the reverberatory furnace, identified as 4RF.

(g) To document **the** compliance **status** with the Condition D.1.3, the Permittee shall maintain records ~~in accordance with the following:~~

~~(1) The Permittee shall maintain records~~ of the results of the test analysis performed by the facility or vendor required by D.1.7(f) or (g).

(h) Section C - General Record Keeping Requirements ~~-~~contains the Permittee's obligation~~s~~ with regard to the record keeping required by this condition.

D.1.11 Reporting Requirements

(a) A quarterly summary of the information to document **the** compliance **status** with Conditions D.1.1(a)(1), D.1.1(b)(1), D.1.1(c)(1), D.1.1(d)(1) and D.1.2 shall be submitted ~~to the addresses listed in Section C - General Reporting Requirements, of this permit~~, using the reporting form**s** located at the end of this permit, or ~~its~~ **their** equivalent, ~~within~~ **not later than** thirty (30) days after the end of the quarter being reported. **Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.** The reports submitted by the Permittee do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(3**5**~~4~~).

(b) A summary of the information to document **the** compliance **status** with Condition D.1.3 shall be submitted ~~to the addresses listed in section C - General Reporting Requirements,~~ upon request. **Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The reports submitted by the Permittee do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).**

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

~~(j) 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;~~

(~~k~~**j**) ~~o~~**O**ne (1) Mesh Belt shotblast machine, identified as DC2, constructed in 1997, with a maximum shotblast rate of 168,000 pounds per hour (84 ton per hour), with emissions controlled by a cartridge filter~~;~~**.**

~~(l) one (1) Mesh Belt shotblast machine, identified as DC6, constructed in 1997, with a maximum shotblast rate of 168,000 pounds per hour (84 ton per hour), with emissions controlled by a cartridge filter;~~

(~~m~~**k**) **O**~~o~~ne (1) Tumbleblast shotblast machine, identified as DC5, constructed in 2000, with a maximum shotblast rate of 40,000 pounds per hour (20 ton per hour), with emissions controlled by cartridge filter~~;~~**.**

(~~n~~**l**) **O**~~o~~ne 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 (87.38 ton per hour), with emissions controlled by a cartridge filter~~;~~**.**

(~~o~~**m**) **O**~~o~~ne (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 (87.38 ton per hour), with emissions controlled by a cartridge filter~~; and~~

(~~p~~**n**) **O**~~o~~ne (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 (87.38 ton per hour), with emissions controlled by a cartridge filter approved for modification in 2012, exhausting to Stack DC8.

(~~q~~**o**) ~~Two (2)~~**One (1)** Wheelabrator rotary table work machine~~s~~ used for deburring of parts, identified as DC9~~ and DC10~~, permitted in 2010, ~~each~~ with a maximum shot~~-~~blast rate of 135,000 pounds per hour, using a cartridge filter as control.

(p) Two (2) Wheelabrator rotary shotblast units, identified as DC-10 and DC-11, approved in 2013 for construction, each with a maximum shotblast rate of 135,000 pounds per hour,

with particulate emissions controlled by cartridge filters.

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

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

D.2.1 PSD Minor Limits [326 IAC 2-2]

The Permittee shall comply with the following:

(a) The ~~total~~ PM emissions from the mesh belt shotblaster~~s~~, identified as DC2~~ and DC6~~**,** shall not exceed 3.9 pounds per hour~~, combined~~. Compliance with this limit will limit the PM emissions to less than twenty-five (25) tons of per year and render the requirements of 326 IAC 2-2 (PSD) not applicable to 1997 modification.

(b) The PM_{10} emissions from the mesh belt shotblaster~~s~~, identified as DC2~~ and DC6~~**,** shall not exceed 1.62 pounds per hour~~, combined~~. Compliance with this limit will limit the PM_{10} emissions to less than fifteen (15) tons of per year and render the requirements of 326 IAC 2-2 (PSD) not applicable to 1997 modification.

(c) * * *
(d) * * *
(e) * * *
(f) * * *
(g) * * *
(h) * * *
(i) * * *
(j) * * *
(k) * * *
(l) * * *

~~(m) The PM emission rate from the one (1) Wheelabrator rotary table work machines, identified as DC10, controlled by a cartridge filter, shall not exceed 2.85 pounds per hour.~~

~~(n) The PM_{10} emission rate from the one (1) Wheelabrator rotary table work machines, identified as DC10, controlled by a cartridge filter, shall not exceed 1.70 pounds per hour.~~

(m) The PM emissions from the two (2) Wheelabrator rotary shotblast units, identified as DC-10 and DC-11, shall not exceed 0.304 pounds per hour for each unit.

(n) The PM10 emissions from the two Wheelabrator rotary shotblast units, identified as DC-10 and DC-11, shall not exceed 0.304 pounds per hour for each unit.

(o) The PM2.5 emissions from the two (2) Wheelabrator rotary shotblast units, identified as DC-10 and DC-11, shall not exceed 0.304 pounds per hour for each unit.

D.2.2 Hazardous Air Pollutants (HAPs) Minor Limit [40 CFR 63]

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 Permittee shall comply to the following:

(1) The total metallic HAP content of the shot used by the shotblast machines and wire mesh machines, identified as ~~DC1,~~ DC2, DC4, DC5, ~~DC6,~~ DC7, DC8, DC9**, DC-10** and **DC-11**~~DC10~~ shall not exceed 0.01~~2~~**7**5 pound of total metallic HAPs per pound of shot~~ with compliance determined at the end of each month~~.

(2) The particulate emissions (PM/PM_{10}) from the shotblast and wire mesh machines shall not exceed the following:

Emission Units	PM Limit (lb/hr)	PM10 Limit (lb/hr)
DC2 and DC6	3.9 (combined)	1.62 (combined)
DC4	5.40	3.12
DC5	4.64	2.36
DC7 and DC8	2.85 (each)	1.71 (each)
DC9 ~~and DC10~~	2.85 ~~(each)~~	1.70 ~~(each)~~
DC-10 and DC-11	**0.304 (each)**	**0.304 (each)**

Compliance with the above limit**s** will ensure that the total metallic HAPs emitted as PM **and** ~~/~~PM_{10} from the shotblast and wire mesh machine**s** are less than 1.**77**~~55~~ ton per twelve (12) consecutive month period.

(3) Th~~e~~i~~s~~**e** limits will ensure that the single HAP **emissions are**~~is~~ less than **ten (**10**)** tons per year and total HAP **emission**s ~~is~~ **are** less than **twenty-five (**25**)** tons per year, when including HAP~~s~~ emissions from the following:

(A) Chrysler Group LLC - Kokomo Transmission plant (Part 70 Operating Permit **Renewal No.** T067-~~6504~~**18292**-00065).

(B) Chrysler Group LLC - Kokomo Casting plant (Part 70 Operating Permit **Renewal No.** T067-25272-00065).

D.2.3 Particulate Matter Emission Limitations~~; Fuel Combustion Steam Generators, Asphalt Concrete Plant, Grain Elevators Foundries, Mineral Agregate Operations; Modification By Commissioner~~ [362 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2**(a)**, (~~formerly 326 IAC 6-1-2~~**Particulate Matter Limitations Except Lake County**), the particulate matter (PM) emissions from the cartridge filter**s** controlling each of the shotblast machine**s**, identified as ~~DC1 (Pangborn shotblast machine),~~ DC2 (Mesh belt shotblast machine), ~~DC6 (Mesh belt shot machine),~~ DC5 (Tumbleblast), DC4 (Wire mesh shotblast), DC7 (Wire mesh shotblast), DC8 (Wire mesh shotblast machine), DC9 (Wheelabrator rotary work table shotblast machine)**, DC-10 (Wheelabrator rotary shotblast unit),** and **DC-11 (Wheelabrator rotary shotblast unit)** ~~DC10 (Wheelabrator rotary work table shotblast machine)~~**,** shall not exceed 0.03 grains per dry standard cubic foot **each**.

D.2.4 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan (PMP) is required for the units in this section and their control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation~~s~~ with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.2.5 Particulate Matter (PM)

(a) In order to **ensure** compl~~y~~**iance** with Conditions D.2.1 and D.2.3, the cartridge filter**s** for particulate control shall be in operation at all times when ~~DC1 (Pangborn shotblast machine),~~ DC2 (Mesh belt shotblast machine), ~~DC6 (Mesh belt shot machine),~~ DC5 (Tumbleblast), DC4 (Wire mesh shotblast), DC7 (Wire mesh shotblast), DC8 (Wire mesh shotblast machine), DC9 (Wheelabrator rotary work table shotblast machine)**, DC-10 (Wheelabrator rotary shotblast unit),** and **DC-11 (Wheelabrator rotary shotblast unit)** ~~DC10 (Wheelabrator rotary work table shotblast machine)~~ are in operation.

(b) * * *

D.2.6 Testing Requirements [326 IAC 2-7-6(1)][326 IAC 2-1.1-11]

~~(a) In order to determine compliance with Conditions D.2.1 and D.2.3, the Permittee shall perform PM testing by June 2012 on Pangborn shotblast machine, identified as DC1and the cartridge filter controlling emissions from the Pangborn shotblast machine utilizing~~

~~methods as approved by the Commissioner. Testing shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration.~~

(~~b~~**a**) In order to **demonstrate**~~determine~~ compliance with Conditions D.2.1 and D.2.3, the Permittee shall perform PM and PM_{10} testing by April 2011 on wire mesh shotblast machine, identified as DC4 and the cartridge filter controlling emissions from the wire mesh shotblast machine utilizing methods as approved by the Commissioner. Testing shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration.

(~~c~~**b**) In order to demonstrate ~~the~~ compliance with Conditions D.2.1, D.2.2 and D.2.3, ~~within one hundred and eighty (180) days after initial startup of the cartridge filter for shot blast unit DC8,~~ the Permittee shall perform PM and PM_{10} testing on **one (1) wire mesh shotblast machine, DC7 or DC8, or the Wheelabrator rotary work table shotblast machine, DC9,** ~~the cartridge filter controlling DC8 utilizing methods as approved by the Commissioner. The cartridge filter controlling DC7 or DC8 must be tested~~ at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be alternated between **DC7, DC8, and DC9 such that each shotblast machine is tested once every fifteen (15) years** ~~each unit~~. ~~Testing shall be conducted in accordance the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.~~

(~~d~~**c**) In order to **demonstrate**~~determine~~ compliance with Conditions D.2.1 and D.2.3, the Permittee shall perform PM and PM_{10} testing by June 2012 on the mesh belt shotblast machine, identified as DC2 ~~and DC6 (both shall be tested simultaneously)~~ and the cartridge filter controlling emissions from the mesh shotblast machine utilizing methods as approved by the Commissioner. Testing shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration.

(d) In order to demonstrate compliance with Conditions D.2.1, D.2.2, and D.2.3, the Permittee shall perform PM, PM10, and PM2.5 testing on one (1) of the Wheelabrator rotary shotblast units, DC-10 or DC-11, not later than 180 days after initial startup, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be alternated between DC-10 and DC-11 such that each shotblast unit is tested once every ten (10) years.

Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition. **PM.10 and PM2.5 include filterable and condensable PM.**

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

D.2.7 Visible Emissions Notations [40 CFR 64]

(a) * * *
(b) * * *
(c) * * *
(d) * * *
(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps**.** Observation of abnormal emissions that do not violate an applicable opacity limit is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit. Section C – Response to Excursions or Exceedances contains the Permittee's obligation~~s~~ with regard to ~~responding to~~ the reasonable response steps required by this condition.

Compliance with these requirements shall satisfy 40 CFR 64, CAM, for DC2, DC5, DC4,

DC7, and DC8.

D.2.8 Parametric Monitoring [40 CFR 64]

The Permittee shall record the pressure drop across the cartridge filters used in conjunction with the shotblast machines, at least once per day when the shotblast machines are in operation. When for any one reading, the pressure drop across the cartridges are outside the normal range ~~of 0.5 and 6.0 inches of water or a range established during the latest stack test~~, the Permittee shall take **a** reasonable response**. The normal range for these units is a pressure drop between 0.5 and 6.0 inches of water unless a different upper-bound or lower-bound value for this range is determined during the latest stack test.** Section C- Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered deviation from the 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 or replaced at least once every six (6) months.

Compliance with this requirement shall satisfy 40 CFR 64, CAM, for DC2, DC5, DC4, DC7, and DC8.

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

D.2.9 Record Keeping Requirements

(a) To document the compliance status with the Condition D.2.2, 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 Chrysler LLC HAZCON sheets, detailing the alloy composition tested value, are an acceptable equivalent.

(b) To document **the** compliance **status** with Condition D.2.7 - Visible Emission Notations, the Permittee shall maintain daily records of the visible emission notations of the cartridge filter stack exhaust**s**. The Permittee shall include in its daily record**s** 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).

(c) To document **the** compliance **status** with Condition D.2.8 - Parametric Monitoring, the Permittee shall maintain ~~the~~ daily records of the pressure **drops** across the cartridge filter**s** controlling the ~~four~~ shotblast machines and the ~~three~~ wire mesh machines. The Permittee shall include in its daily record**s** 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).

(d) Section C - General Record Keeping Requirements contains the Permittee's obligation~~s~~ with regard to the record keeping required by this condition.

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

~~(r) 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;~~

(~~s~~**q**) ~~o~~**O**ne (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~~;and~~**.**

(~~t~~**r**) ~~o~~**O**ne (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 emissions unit description box is descriptive information and does not constitute enforceable conditions.)

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

D.3.1 Particulate Matter Emission Limitations~~; Fuel Combustion Steam Generators, Asphalt Concrete Plant, Grain Elevators Foundries, Mineral Agregate Operations; Modification By Commissioner~~ [362 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2**(b)**(3), (~~formerly 326 IAC 6-1-2~~**Particulate Matter Limitations Except Lake County**), the particulate matter (PM) emissions from each of the boilers, identified as ~~1BLR, 2~~BLR and 3BLR shall not exceed 0.01 grains per dry standard cubic foot.

SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Specifically Regulated Insignificant Activities

(a) **D**~~d~~ie casting machines, identified as DCAST1, with emissions uncontrolled and exhausting internally**.**~~;~~

(b) **T**~~t~~rim 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~~; and~~**.**

(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.

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

(h) Seven (7) dry deburring systems, identified as Dry Deburr 1-7, each with one (1) station for handling parts, one (1) station for drilling and tapping parts, and four (4) stations for processing parts through milling and brushing heads, approved in 2013 for construction, with emissions uncontrolled, and exhausting within the plant.

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

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

D.4.1 Particulate Matter Emission Limitations~~; Fuel Combustion Steam Generators, Asphalt Concrete Plant, Grain Elevators Foundries, Mineral Agregate Operations; Modification By Commissioner~~ [362 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2**(a)**, (~~formerly 326 IAC 6-1-2~~**Particulate Matter Limitations Except Lake County**), the particulate matter (PM) emissions from ~~each of the emission units,~~**the** die casting machines, trim operations, machining, brazing equipment, cutting torches, soldering equipment, welding equipment, stockp~~i~~**il**ed soil, grinding and machining operations**, and dry deburring systems** shall not exceed 0.03 grains per dry standard cubic foot **each**.

Changes to the E Section of the Permit

(a) The descriptive information for Boiler 1BLR was removed from Section E.1 of the permit because this unit has been removed from the plant as previously described for A.2.

(b) The descriptive information for Boiler 2BLR was removed from Section E.1 of the permit because this unit is not subject to 40 CFR 60, Subpart Dc.

(c) The wording of Condition E.1.2 has been revised for clarity.

The E Section of the permit has been revised as follows:

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

~~(r) 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;~~

~~(s) 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;and~~

(~~t~~**r**) ~~o~~**O**ne (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.

3BLR is considered an affected facility under 40 CFR 60 Subpart Dc, the Permittee shall comply with the provisions of Standard of Performance for Small Industrial-Commercial Institutional Steam Generating Units.

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

* * *

E.1.2 Standard**s** of Performance for Small Industrial-Commercial~~-~~Institutional Steam Generating Units [326 IAC 12-1] [40 CFR 60, Subpart Dc]

The Permittee, which operates boiler 3BLR, shall comply with the following provisions of

~~Pursuant to~~ 40 CFR 60 Subpart Dc **(included as Attachment A of this permit)**, **which is incorporated by reference as 326 IAC 12:** ~~the Permittee shall comply with the provisions of Standard of Performance for Small Industrial-Commercial Institutional Steam Generating Units for the Boiler, identified as 3BLR as specified as follows:~~

* * *

Changes to the Forms of the Permit

(a) "Compliance and Enforcement Branch" was added to the Certification Form.

(b) IDEM, OAQ has decided to remove the last sentence dealing with the need for certification from the forms because the Conditions requiring the forms already address this issue.

The forms of the permit have been revised as follows:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
CERTIFICATION

* * *

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

* * *

~~A certification is not required for this report.~~

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report

Source Name:	Chrysler Group, LLC-Kokomo Casting Plant
Source Address:	Chrysler Kokomo Casting Plant 1001 East Boulevard, Kokomo, Indiana 46904
Source Address:	Chrysler Group, LLC -Kokomo Transmission Plant

2401 S. Reed Road, Kokomo, Indiana 46904
Part 70 Permit No.: T067-25272-00065
Facilities: Furnace 2RF
Parameter: Annual particulate matter (PM) emissions (tons per year)
Limits: Furnace 2RF is limited to less than 92.5 tons of PM per 12 consecutive month period~~, respectively;~~

* * *

~~Attach a signed certification that meets the requirements of 326 IAC 2-7-6(1) to complete this report.~~

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report

Source Name: Chrysler Group, LLC-Kokomo Casting Plant
Source Address: Chrysler Kokomo Casting Plant
1001 East Boulevard, Kokomo, Indiana 46904
Source Address: Chrysler Group, LLC -Kokomo Transmission Plant
2401 S. Reed Road, Kokomo, Indiana 46904
Part 70 Permit No.: T067-25272-00065
Facilities: Furnace 6RF
Parameter: Annual particulate matter (PM) emissions (tons per year)
Limits: Furnace 6RF is limited to less than 36.2 tons of PM per 12 consecutive month period.

* * *

~~Attach a signed certification to complete this report.~~

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report

Source Name: Chrysler Group, LLC-Kokomo Casting Plant
Source Address: Chrysler Kokomo Casting Plant
1001 East Boulevard, Kokomo, Indiana 46904
Source Address: Chrysler Group, LLC - Kokomo Transmission Plant
2401 S. Reed Road, Kokomo, Indiana 46904
Part 70 Permit No.: T067-25272-00065
Facilities: Furnaces SM1 and SM2
Parameter: amount of metal melted
Limits: Furnaces SM1 and SM2 are limited to a <u>combined</u> total of 65,000 tons of metal per 12 consecutive month period;

* * *

~~Attach a signed certification to complete this report.~~

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report

Source Name:	Chrysler Group, LLC-Kokomo Casting Plant
Source Address:	Chrysler Kokomo Casting Plant 1001 East Boulevard, Kokomo, Indiana 46904
Source Address:	Chrysler Group, LLC - Kokomo Transmission Plant 2401 S. Reed Road, Kokomo, Indiana 46904
Part 70 Permit No.:	T067-25272-00065
Facilities:	Furnaces SM1 and SM2
Parameter:	amount of flux
Limits:	Furnaces SM1 and SM2 are limited to a combined total of 21,900 lb of Flux per twelve (12) consecutive month period**.**

*** * ***

~~Attach a signed certification to complete this report.~~

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report

Source Name:	Chrysler Group, LLC-Kokomo Casting Plant
Source Address:	Chrysler Kokomo Casting Plant 1001 East Boulevard, Kokomo, Indiana 46904
Source Address:	Chrysler Group, LLC - Kokomo Transmission Plant 2401 S. Reed Road, Kokomo, Indiana 46904
Part 70 Permit No.:	T067-25272-00065
Facilities:	Furnaces 4RF
Parameter:	amount of metal remelt
Limits:	Furnaces 4RF is limited to 56,940 tons of metal remelt per 12 consecutive month period;

* * *

~~Attach a signed certification to complete this report.~~

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report

Source Name:	Chrysler Group, LLC-Kokomo Casting Plant
Source Address:	Chrysler Kokomo Casting Plant 1001 East Boulevard, Kokomo, Indiana 46904
Source Address:	Chrysler Group, LLC - Kokomo Transmission Plant 2401 S. Reed Road, Kokomo, Indiana 46904
Part 70 Permit No.:	T067-25272-00065
Facilities:	Furnaces 7RF and 8RF
Parameter:	amount of flux
Limits:	Furnaces 7RF and 8RF are each limited to 21,960 lb of Flux per twelve (12) consecutive month period**.**

* * *

~~Attach a signed certification to complete this report.~~

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report

Source Name:	Chrysler Group, LLC-Kokomo Casting Plant
Source Address:	Chrysler Kokomo Casting Plant 1001 East Boulevard, Kokomo, Indiana 46904
Source Address:	Chrysler Group, LLC - Kokomo Transmission Plant 2401 S. Reed Road, Kokomo, Indiana 46904
Part 70 Permit No.:	T067-25272-00065
Facilities:	Furnaces 9RF and 10RF
Parameter:	amount of flux
Limits:	Furnaces 9RF and 10RF are each limited to 21,960 lb of Flux per twelve (12) consecutive month period**.**

~~Attach a signed certification to complete this report.~~

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

* * *

~~Attach a signed certification that meets the requirements of 326 IAC 2-7-6(1) to complete this report.~~

Conclusion and Recommendation

The construction and operation of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Source Modification No. 067-33120-00065 and Significant Permit Modification No. 067-33130-00065. The staff recommend to the Commissioner that this Part 70 Significant Source Modification and Significant Permit Modification be approved.

IDEM Contact

(a) Questions regarding this proposed permit can be directed to Laura Spriggs at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 233-5693 or toll free at 1-800-451-6027 extension 3-5693.

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

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

Appendix A: Emission Calculations
Modification Summary

Company Name: Chrysler Group, LLC - Kokomo Casting Plant
Plant Location: 1001 East Boulevard, Kokomo, Indiana 46904
Significant Source Modification No.: 067-33120-00065
Significant Permit Modification No.: 067-33130-00065
Permit Reviewer: Laura Spriggs

Unrestricted Potential to Emit of Modification at the Kokomo Casting Plant

	Unrestricted PTE (ton/yr)								
Process	PM	PM10	PM2.5	SO2	NOx	VOC	CO	CO2e	Total HAPs
Dry Deburring (Dry Deburr 1 - 7)	0.116	0.012	0.012	--	--	0.000	--	--	--
Shotblasting (DC-10 and DC-11)	266.09	266.09	266.09	--	--	--	--	--	4.66
Total	**266.20**	**266.10**	**266.10**	**0**	**0**	**0.00**	**0**	**0**	**4.66**

Controlled Potential to Emit of Modification at the Kokomo Casting Plant

	PTE After Controls (ton/yr)								
Process	PM	PM10	PM2.5	SO2	NOx	VOC	CO	CO2e	Total HAPs
Dry Deburring (Dry Deburr 1 - 7)	0.116	0.012	0.012	--	--	0.000	--	--	--
Shotblasting (DC-10 and DC-11)	2.661	2.661	2.661	--	--	--	--	--	0.047
Total	**2.78**	**2.67**	**2.67**	**0**	**0**	**0.00**	**0**	**0**	**0.05**

Limited Potential to Emit of Overall EP2 FWD Transmission Project Modification (KCP and KTP)

	Potential to Emit After Limitations (ton/yr)								
Process	PM	PM10	PM2.5	SO2	NOx	VOC	CO	CO2e	Total HAPs
Modification at KCP									
Dry Deburring (Dry Deburr 1 - 7)	0.116	0.012	0.012	--	--	0	--	--	--
Shotblasting (DC-10 and DC-11)	2.663	2.663	2.663	--	--	--	--	--	0.047
Total for KCP	*2.78*	*2.67*	*2.67*	*0*	*0*	*0*	*0*	*0*	*0.05*
Additional Emissions Related to the EP2 FWD Transmission Project									
KTP EP2 FWD Project (Permitted in 067-31934-00065)	7.44	4.58	3.16	--	--	0.06	--	--	0.06
KTP EP2 FWD Project - Tipton Machining Line*	1.52	1.52	1.52	--	--	0.03	--	--	0.03
Total for Modification	**11.74**	**8.78**	**7.35**	**0**	**0**	**0.09**	**0**	**0**	**0.14**
PSD Significant Level	25	15	10	40	40	40	100	75000	N/A

*The Tipton Machining Line project as part of the EP2 FWD Transmission Project has not yet been permitted.

Appendix A: Emission Calculations
Dry Deburring

Company Name: Chrysler Group, LLC - Kokomo Casting Plant
Plant Location: 1001 East Boulevard, Kokomo, Indiana 46904
Significant Source Modification No.: 067-33120-00065
Significant Permit Modification No.: 067-33130-00065
Permit Reviewer: Laura Spriggs

Process	Number of Deburring Systems	Number of Stations Per System with Particulate Emissions*	Equivalent Air Flow Rate** (cfm)	Outlet Grain Loading (gr/dscf)	% of PM that is PM10	% of PM10 that is PM2.5	PM Control	Estimated Coolant Application*** (oz/hr)	Coolant VOC Emission Rate	Coolant Particulate Emission Rate
Dry Deburring (Dry Deburr 1-7)	7	2	50	0.0044	10%	100%	0%	2.13	0%	0%

Emissions	Emissions (lb/hr)				Emissions (ton/yr)			
	PM	PM10	PM2.5	VOC	PM	PM10	PM2.5	VOC
Emissions per Station	0.002	0.0002	0.0002	0.000	0.008	0.001	0.001	0.000
Emissions per System	0.004	0.0004	0.0004	0.000	0.017	0.002	0.002	0.000
Total Emissions	0.026	0.003	0.003	0.000	0.116	0.012	0.012	0.000

Methodology

*Each deburring system consists of 6 stations. One station for each system is a mechanical robot that moves parts onto the line and no emissions are generated. One station is for drilling and tapping parts with no particulate generated. Two stations are for milling with no particulate generated. Two stations are for brushing, which have potential particulate emissions.

**An airflow rate of 50 cfm and a grain loading of 0.0044 gr/dscf is assumed for each station based on previously permitted dry machining operations. It is expected that the dry deburring operations will generate lesser quantities of particulate than the dry machining operations.

***A small amount of oil will be used for lubrication in the final drilling step. Manufacturer data for the drill press estimates that a maximum of 2.13 ounces of oil per hour will be used in the operations for each system. Based upon information from the equipment supplier, Chrysler is estimating that none of the lubricating oil would be emitted as VOC due to the low volatility of the only VOC in the oil (monoethanolamine). Additionally, the small amount of oil applied is expected to remain on the parts or chips. The oil does not contain any HAPs.

PTE PM (lb/hr) = Air Flow Rate (cfm) x Outlet Grain Loading (g/dscf) x (60 min/hr) x (1 lb/7000 gr)
PTE PM10 (lb/hr) = PTE PM (lb/hr) x % of PM that is PM10
PTE PM2.5 (lb/hr) = PTE PM10 (lb/hr) x % of PM10 that is PM2.5
PTE VOC (lb/hr) = Estimated Coolant Application Rate (lb/hr) x % Emission Rate (as VOC)
PTE (ton/yr) = PTE (lb/hr) x (8760 hr/yr) x (1 ton/2000 lb)

Appendix A: Emission Calculations
Shotblast Machines

Company Name: Chrysler Group, LLC - Kokomo Casting Plant
Plant Location: 1001 East Boulevard, Kokomo, Indiana 46904
Significant Source Modification No.: 067-33120-00065
Significant Permit Modification No.: 067-33130-00065
Permit Reviewer: Laura Spriggs

Unit	Shotblast Recirculation Rate (lb/hr)	Uncontrolled Particulate Emission Factor (lb PM/lb shot)	Control Efficiency	Uncontrolled PTE PM/PM10/PM2.5 (ton/yr)	Controlled PTE PM/PM10/PM2.5 (ton/yr)	Limited PTE PM/PM10/PM2.5 (ton/yr)	Uncontrolled HAP Emissions (ton/yr)	Controlled HAP Emissions (ton/yr)	Limited HAP Emissions (ton/yr)
Shotblast Unit DC-10	135000	0.000225	99%	133.04	1.33	1.33	2.33	0.023	0.023
Shotblast Unit DC-11	135000	0.000225	99%	133.04	1.33	1.33	2.33	0.023	0.023
Total				**266.09**	**2.66**	**2.66**	**4.66**	**0.05**	**0.05**

Methodology
Uncontrolled Emission Factor is based on stack tests performed in March of 1996 for an existing shot blast unit at KCP.
A conservative approach is used to assume PM = PM10 = PM2.5.
Uncontrolled PTE PM/PM10/PM2.5 (ton/yr) = Shotblast Recirculation Rate (lb/hr) x Emission Factor (lb PM/lb shot) x (8760 hr/yr) x (1 ton/2000 lb)
Controlled PTE PM/PM10/PM2.5 (ton/yr) = Uncontrolled PTE (ton/yr) x (1 - Control Efficiency)
Limited PTE PM/PM10/PM2.5 (ton/yr) = Emission Limit (0.304 lb PM/PM10/PM2.5/hr) x (8760 hy/yr) x (1 ton/2000 lb)
Uncontrolled/Controlled/Limited HAP Emissions (ton/yr) = Uncontrolled/Controlled/Limited PTE PM/PM10/PM2.5 (ton/yr) x HAP Emission Limit (0.0175 lb HAPs/lb PM)

Note: The inlet grain loading is estimated at 0.98 gr/cf with an outlet grain loading of 0.0098 gr/cf. Therefore, the units are capable of complying with 326 IAC 6.5 with the use of control.

Appendix A: Emission Calculations
HAPs Summary for KCP

Company Name: Chrysler Group, LLC - Kokomo Casting Plant
Plant Location: 1001 East Boulevard, Kokomo, Indiana 46904
Significant Source Modification No.: 067-33120-00065
Significant Permit Modification No.: 067-33130-00065
Permit Reviewer: Laura Spriggs

Kokomo Casting Plant (KCP) Units
This table represents the potential to emit of HAPs from the Kokomo Casting Plant, after issuance of SPM No. 067-33130-00065, taking federallly enforceable limits into account.

		Potential to Emit (ton/yr)																		
Unit ID	Unit Description	Total HAPs	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	Xylenes	1,3-Butadiene	Acetaldehyde	Acrolein	Total PAH	Lead	Cadmium	Chromium	Manganese	Nickel	Cobalt	Arsenic	Selenium
SM1	Aluminum Stack Melting Furnace*	0.32	9.9E-05	5.6E-05	3.5E-03	8.4E-02	1.6E-04						2.3E-05	5.2E-05	6.6E-05	1.8E-05	1.4E-01			
SM2	Aluminum Stack Melting Furnace*		9.9E-05	5.6E-05	3.5E-03	8.4E-02	1.6E-04						2.3E-05	5.2E-05	6.6E-05	1.8E-05	9.9E-05			
2RF	Aluminum Reverberatory Furnace*	0.76	1.8E-04	1.0E-04	6.4E-03	1.5E-01	2.9E-04						4.3E-05	9.4E-05	1.2E-04	3.3E-05	6.0E-01			
4RF	Aluminum Reverberatory Furnace*	0.41	1.8E-04	1.0E-04	6.4E-03	1.5E-01	2.9E-04						4.3E-05	9.4E-05	1.2E-04	3.3E-05	2.5E-01			
6RF	Aluminum Reverberatory Furnace*	0.76	1.8E-04	1.0E-04	6.4E-03	1.5E-01	2.9E-04						4.3E-05	9.4E-05	1.2E-04	3.3E-05	6.0E-01			
7RF	Aluminum Reverberatory Furnace	0.35	9.0E-05	5.2E-05	3.2E-03	7.7E-02	1.5E-04						2.1E-05	4.7E-05	6.0E-05	1.6E-05	2.7E-01			
8RF	Aluminum Reverberatory Furnace*	0.35	9.0E-05	5.2E-05	3.2E-03	7.7E-02	1.5E-04						2.1E-05	4.7E-05	6.0E-05	1.6E-05	2.7E-01			
9RF	Aluminum Reverberatory Furnace*	0.35	9.0E-05	5.2E-05	3.2E-03	7.7E-02	1.5E-04						2.1E-05	4.7E-05	6.0E-05	1.6E-05	2.7E-01			
10RF	Aluminum Reverberatory Furnace*	0.35	9.0E-05	5.2E-05	3.2E-03	7.7E-02	1.5E-04						2.1E-05	4.7E-05	6.0E-05	1.6E-05	2.7E-01			
DC2	Mesh Belt Shotblast Machine	0.299											0.0512	0.0116	0.0735		0.1297	0.0058	0.0252	0.0019
DC5	Tumbleblast Shotblast Machine	0.356											0.0609	0.0138	0.0875		0.1543	0.0069	0.0299	0.0023
DC4	Wire Mesh Machine	0.414											0.0709	0.0161	0.1018		0.1795	0.0080	0.0348	0.0027
DC7	Wire Mesh Machine	0.218											0.0374	0.0085	0.0537		0.0948	0.0042	0.0184	0.0014
DC8	Wire Mesh Machine	0.218											0.0374	0.0085	0.0537		0.0948	0.0042	0.0184	0.0014
DC9	Wheelabrator Roatary Table Work Machine	0.218											0.0374	0.0085	0.0537		0.0948	0.0042	0.0184	0.0014
DC-10	Wheelabrator Rotary Shotblast Unit	0.023											0.0040	0.0009	0.0057		0.0101	0.0005	0.0020	0.0002
DC-11	Wheelabrator Rotary Shotblast Unit	0.023											0.0040	0.0009	0.0057		0.0101	0.0005	0.0020	0.0002
2BLR	Natural Gas Boiler (81.26 MMBtu/hr)	6.59E-01	7.3E-04	4.2E-04	2.6E-02	6.3E-01	1.2E-03						1.7E-04	3.8E-04	4.9E-04	1.3E-04	7.3E-04			
3BLR	Natural Gas Boiler (77.9 MMBtu/hr)	6.32E-01	7.0E-04	4.0E-04	2.5E-02	6.0E-01	1.1E-03						1.7E-04	3.7E-04	4.7E-04	1.3E-04	7.0E-04			
	Cleaners and Solvents**	0.281						0.281												
	Emergency Diesel Generator (1160 HP)	3.2E-03	1.6E-03		1.6E-04		5.7E-04	3.9E-04		5.1E-05	1.6E-05	4.3E-04								
	Emergency Diesel Generator (900 HP)	2.5E-03	1.2E-03		1.2E-04		4.4E-04	3.0E-04		4.0E-05	1.2E-05	3.3E-04								
	4 Heat Treat Furnaces (0.8 MMBtu/hr each)	2.59E-02	2.9E-05	1.6E-05	1.0E-03	2.5E-02	4.7E-05						6.9E-06	1.5E-05	1.9E-05	5.2E-06	2.9E-05			
KCP Total		7.03E+00	5.36E-03	1.46E-03	9.18E-02	2.20E+00	5.16E-03	2.82E-01	0.00E+00	9.08E-05	2.84E-05	7.64E-04	3.04E-01	7.01E-02	4.37E-01	4.64E-04	3.44E+00	3.44E-02	1.49E-01	1.15E-02

*The HAPs profile for the furances is not given. All HAPs from the furnaces are assumed to be all nickel as a worst case assumption for showing that no single HAP exceeds 10 tons per year.
**Calculations for cleaners and solvents was not previously provided. Calculations used for the Kokomo Transmission Plant were used here.

Appendix A: Emission Calculations
HAPs Summary for KTP and Entire Source

Company Name: Chrysler Group, LLC - Kokomo Casting Plant
Plant Location: 1001 East Boulevard, Kokomo, Indiana 46904
Significant Source Modification No.: 067-33120-00065
Significant Permit Modification No.: 067-33130-00065
Permit Reviewer: Laura Spriggs

Kokomo Transmission Plant (KTP) Units

		Potential to Emit (ton/yr)																	
Unit ID	Unit Description	Total HAPs	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	Xylenes	1,3-Butadiene	Acetaldehyde	Acrolein	Total PAH	Lead	Cadmium	Chromium	Manganese	Nickel	Cobalt	Arsenic	Selenium
	Total NG Usage Limit*																			
Boiler 4	Reclaimed Residual Oil/NG Boiler (90 MMBtu/hr)																			
Boiler 5	Natural Gas Boiler (120 MMBtu/hr)																			
Boiler 6	NG/FO Boiler (99 MMBtu/hr)																			
Boiler 7	NG/FO Boiler (99 MMBtu/hr)																			
	7 NG Atmosphere Generators (1 MMBtu/hr each)	3.64	4.04E-03	2.31E-03	1.44E-01	3.47E+00	6.55E-03						9.63E-04	2.12E-03	2.70E-03	7.32E-04	4.04E-03			
	NG Emergency Generator (6.8 HP)																			
	NG Combustion < 10 MMBtu/hr																			
	NG Heat Treat Furance (5.84 MMBtu/hr)**																			
	4 Nitriding Furnaces																			
NK5448	Pneumatic Shotblasting Unit	0.314											0.0539	0.0122	0.0773		0.1363	0.0061	0.0264	0.0020
180732	Pneumatic Shotblasting Unit	0.077											0.0131	0.0030	0.0189		0.0332	0.0015	0.0065	0.0005
132641	Pneumatic Shotblasting Unit	0.314											0.0539	0.0122	0.0773		0.1363	0.0061	0.0264	0.0020
180532	Pneumatic Shotblasting Unit	0.314											0.0539	0.0122	0.0773		0.1363	0.0061	0.0264	0.0020
180548	Pneumatic Shotblasting Unit	0.314											0.0539	0.0122	0.0773		0.1363	0.0061	0.0264	0.0020
324739	Pneumatic Shotblasting Unit	0.314											0.0539	0.0122	0.0773		0.1363	0.0061	0.0264	0.0020
199672	Pneumatic Shotblasting Unit	0.314											0.0539	0.0122	0.0773		0.1363	0.0061	0.0264	0.0020
132544	Pneumatic Shotblasting Unit	0.314											0.0539	0.0122	0.0773		0.1363	0.0061	0.0264	0.0020
AAA006276	Wheelabrator Multi-table Shotblast Deburr	0.083											0.0142	0.0032	0.0204		0.0359	0.0016	0.0070	0.0005
AAA012334	Wheelabrator #22 Super III Tumbleblast	0.100											0.0171	0.0039	0.0245		0.0432	0.0019	0.0084	0.0006
AAA018493	Abrasive Shot Blaster	0.005											0.0008	0.0002	0.0011		0.0020	0.0001	0.0004	0.0000
AAA018494	Abrasive Shot Blaster	0.010											0.0017	0.0004	0.0025		0.0043	0.0002	0.0008	0.0001
	2008 Shotblast Unit**	0.004											0.0007	0.0002	0.0010		0.0018	0.0001	0.0004	0.0000
SB1	Shotblast Unit	0.033											0.0056	0.0013	0.0081		0.0143	0.0006	0.0028	0.0002
SB2	Shotblast Unit	0.033											0.0056	0.0013	0.0081		0.0143	0.0006	0.0028	0.0002
SB3	Shotblast Unit	0.033											0.0056	0.0013	0.0081		0.0143	0.0006	0.0028	0.0002
SB4	Shotblast Unit	0.033											0.0056	0.0013	0.0081		0.0143	0.0006	0.0028	0.0002
CELL1-4	Dynamometer Test Cells (powered by gasoline ICE)**	3.79	1.71		0.95				0.58	0.52			0.03							
CELL5-6	Dynamometer Test Cells**	1.29	0.58		0.32				0.20	0.18			0.01							
CC	Cold Cleaner Basins	0.281						0.281												
DH1	25 Dry Hobbing Units	0.026											0.005		0.005	0.0125	0.005			
West Fire Pump	Emergency Diesel Fire Pump (400 HP)	2.7E-03	6.5E-04		8.3E-04		2.9E-04	2.0E-04	2.7E-05	5.4E-04	6.5E-05	1.2E-04								
East Fire Pump	Emergency Diesel Fire Pump (210 HP)	1.4E-03	3.4E-04		4.3E-04		1.5E-04	1.0E-04	1.4E-05	2.8E-04	3.4E-05	6.2E-05								
WWTP Pump	Emergency Diesel Fire Pump (25 HP)	1.7E-04	4.1E-05		5.2E-05		1.8E-05	1.2E-05	1.7E-06	3.4E-05	4.0E-06	7.4E-06								
	Metal Cleaning - Acid/Caustic Cleaner	1.03																		
MAINTPT	Maintenance Painting***	2.5				2.5														
INK	Ink Usage	w/MAINTPT																		
MAINTFC	Floor Cleaner	w/MAINTPT																		
WM1	148 Wet Machines****	0.059				0.059														
WM2	163 Wet Machines****	0.065				0.065														
	116 Wet Machines****	0.046				0.046														
	100 Wet Machines*, ****	0.040				0.040														
	30 Wet Machines****	0.012				0.012														
	40 Wet Machines****	0.016				0.016														
	32 Wet Machines*, ****	0.013				0.013														
	77 Wet Machines*, ****	0.031				0.031														
	KTP Total	15.45	2.30	2.31E-03	1.41	6.25	0.01	0.28	0.77	0.70	1.03E-04	1.87E-04	0.49	0.10	0.65	0.01	1.14	0.05	0.22	0.02

*KTP has a source-wide natural gas usage limit
**The Part 70 Operating Permit Renewal application (No. 067-33064-00065) indicates that these units have been removed from the source. They are still shown here for calculation purposes since they have not been removed from the permit.
***The emissions shown for the Maintenance Painting, Ink Usage, and Floor Cleaner comes from the calculations for Part 70 Operating Permit Renewal No. T067-25272-00065, based on historical usage. All HAPs were assumed to be hexane as a worst case assumption for showing that no single HAP exceeds 10 tons per year.
****All HAPs were assumed to be hexane as a worst case assumption for showing that no single HAP exceeds 10 tons per year.

Source Total:	22.49	2.31	3.78E-03	1.51	8.45	0.01	0.56	0.77	0.70	1.31E-04	9.51E-04	0.80	0.17	1.09	0.01	4.58	0.09	0.37	0.03

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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

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

TO: Kristin Jarrett
Chrysler Group, LLC – Kokomo Casting Plant
1001 East Boulevard
Kokomo, IN 46904

DATE: August 1, 2013

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

SUBJECT: Final Decision
Significant Source Modification to a Part 70 Operating Permit
067-33120-00065

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
Michael J Butz, Plant Manager
John Schneider, GZA GeoEnvironmental
William Prokopy, Chrysler LLC Regulatory Affairs
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

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Governor

Thomas W. Easterly
Commissioner

August 1, 2013

TO: Howard County Public Library

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

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

Applicant Name: Chrysler Group, LLC – Kokomo Casting Plant
Permit Number: 067-33120-00065

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures
Final Library.dot 6/13/2013

Mail Code 61-53

IDEM Staff	VHAUN 8/1/2013 Chrysler Group, LLC 067-33120-00065 FINAL		
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2		Michael J Butz Plant Mgr Chrysler Group, LLC 1001 East Blvd Kokomo IN 46904 *(RO CAATS)*									
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4		Kokomo Howard Co Public Library 220 N Union St Kokomo IN 46901-4600 *(Library)*									
5		Howard County Commissioners 220 North Main Kokomo IN 46901-4624 *(Local Official)*									
6		Howard County Health Department 120 E. Mulberry St, Suite 206 Kokomo IN 46901-4657 *(Health Department)*									
7		Mr. Leslie Ellison Howard County Council, District 3 408 East Mulberry Street Kokomoe IN 46901 *(Affected Party)*									
8		Mr. William Prokopy Chrysler LLC Regulatory Affairs 1001 East Boulevard Kokomo IN 46901 *(Source ¿ addl contact)*									
9		John Schneider GZA GeoEnvironmental 19500 Victor Parkway - Suite 300 Livonia MI 48152 *(Consultant)*									
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