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

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: November 10, 2005

RE: Dailmer Chrysler Corporation / 067-21840-00065

FROM: Paul Dubenetzky
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 13-17-3-4 and 326 IAC 2, this approval is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 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 Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER-MOD.dot 1/10/05

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Mr. Mark Werthman
DaimlerChrysler Corporation - Kokomo Casting Plant
1001 East Boulevard
Kokomo, IN 46904

November 10, 2005

Re: **067-21840-00065**
Minor Source Modification to:
Part 70 Operating Permit No.: **T 067-5246-00065**

Dear Mr. Werthman:

DaimlerChrysler Corporation – Kokomo Casting Plant was issued Part 70 Operating Permit T067-5246-00065 on June 30, 2003 for an aluminum die cast facility, including melt furnaces, machinery, cleaning and heat treating equipment to produce transmissions for use in automobiles and light-duty trucks. An application to modify the source was received on September 28, 2005. Pursuant to 326 IAC 2-7-10.5 the following emission units are approved for construction at the source:

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

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

The following construction conditions are applicable to the proposed project:

General Construction Conditions

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

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

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

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

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

The source may begin construction and operation when the minor source modification has been issued. Operating conditions shall be incorporated into the Part 70 Operating Permit as a minor permit modification in accordance with 326 IAC 2-7-10.5(l)(2) and 326 IAC 2-7-12

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

Sincerely,

Original Signed By:
Paul Dubenetzky
Assistant Commissioner
Office of Air Quality

Attachments
JLA
cc: File - Howard County
Howard County Health Department
Air Compliance Section Inspector - Marc Goldman
Compliance Branch
Administrative and Development Section
Billing, Licensing and Training - Michele Boner

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204-2251
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PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

DaimlerChrysler Corporation - Kokomo Casting Plant
1001 E. Boulevard
Kokomo, Indiana 46904

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

Operation Permit No.: T067-5246-00065	
Issued by: Original Signed by Janet McCabe Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: June 30, 2003 Expiration Date: June 30, 2008

Minor Source Modification 067-11163-00065, issued September 30, 1999
Administrative Amendment 067-11399-00065, issued November 9, 1999
Minor Source Modification 067-11508-00065, issued December 8, 1999
Administrative Amendment 067-11981-00065, issued April 27, 2000
Administrative Amendment 067-11990-00065, issued September 1, 2000
Administrative Amendment 067-13661-00065, issued March 26, 2001
Administrative Amendment 067-15176-00065, issued March 15, 2002
Minor Source Modification 067-14232-00065, issued May 1, 2001
Significant Source Modification 067-12243-00065, issued January 4, 2001
Administrative Amendment 067-15176-00065, issued March 15, 2002
Significant Permit Modification 067-15918-00065, issued October 17, 2002
Administrative Amendment 067-16442-00065, issued January 6, 2003
Minor Source Modification 067-16594-00065, issued February 12, 2003
Minor Permit Modification 067-16664-00065, issued April 24, 2003
Significant Source Modification 067-16686-00065, issued June 23, 2003
Significant Permit Modification 067-16788-00065, issued July 8, 2003
Minor Source Modification 067-17799-00065, issued September 16, 2003
Minor Permit Modification 067-17714-00065, issued September 16, 2003
Minor Permit Modification 067-18500-00065, issued May 18, 2004
Administrative Amendment 067-19500-00065, issued August 19, 2004
Minor Source Modification 067-19417-00065, issued November 23, 2004
Minor Permit Modification 067-19553-00065, issued January 26, 2005
Administrative Amendment 067-20879-00065, issued March 31, 2005
Significant Source Modification 067-19756-00065, issued April 14, 2005
Significant Permit Modification 067-19555-00065, issued April 29, 2005
Administrative Amendment 067-21602-00065, issued September 30, 2005

Minor Permit Modification No.: T067-21840-00065	Pages Affected: 7, 8, and 33-36a
Issued by: Original Signed By: Paul Dubenetzky, Assistant Commissioner Office of Air Quality	Issuance Date: November 10, 2005 Expiration Date: June 30, 2008

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

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

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

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

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

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

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

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

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

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

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

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

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

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

cartridge filter;

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

(q) one (1) Rotoblast shotblast machine, identified as DC3, constructed in 1994, with a maximum shotblast rate of 88,350 pounds per hour, with emissions controlled by cartridge filter;

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

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

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

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

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

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

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

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

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

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

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

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

(g) 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.

A.5 Part 70 Permit Applicability [326 IAC 2-7-2]

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

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

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

SECTION D.3 FACILITY OPERATION CONDITIONS

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

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

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

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

(d) one (1) Rotoblast shotblast machine, identified as DC3, constructed in 1994, with a maximum shotblast rate of 88,350 pounds per hour, with emissions controlled by cartridge filter;

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

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

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

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

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

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

D.3.1 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

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

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

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

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

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

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

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

(g) The PM emissions from the DC3 Rotoblast shall be vented through a dedicated cartridge filter and shall not exceed 4.48 pounds per hour.

(h) The PM10 emissions from the DC3 Rotoblast shall be vented through a dedicated cartridge filter and shall not exceed 2.20 pounds per hour.

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

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

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

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

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

D.3.2 Particulate Matter (PM) [326 IAC 6.5-1-2]

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

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

(b) The particulate matter (PM) emissions from the cartridge filter controlling the shotblast machine identified as the DC2 and DC6 Mesh belt shotblast machines shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

(c) The particulate matter (PM) emissions from the cartridge filter controlling the shotblast machine identified as the DC3 Rotoblast shotblast machine shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

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

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

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

(g) The particulate matter (PM) emissions from the cartridge filter controlling the shotblast machine identified as the DC8 wire mesh shotblast machine shall not exceed 0.03 grains

per dry standard cubic foot of exhaust air.

D.3.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.3.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

The Permittee shall perform stack testing as shown in the table below. Testing shall be conducted using methods as approved by the Commissioner, in order to demonstrate compliance with conditions D.3.1 and D.3.2. PM10 includes filterable and condensible PM10. These tests shall be repeated at least once every five (5) years from the date of a valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

Shotblast Machine Identification	Stack Tests Required	Time frame for stack testing
wet scrubber DC1 controlling the DC1 Pangborn shotblast machine	PM	Within 36 months after permit issuance (T067-5246-00065), then once every 5 years
cartridge filter controlling the DC4 wire mesh shotblast machine	PM and PM10	Within 36 months after permit issuance (T067-5246-00065), then once every 5 years
one (1) of the cartridge filters controlling the DC7 or DC8 wire mesh shotblast machine	PM and PM10	Within 36 months after permit issuance (MSM 067-21840-00065), then once every 5 years

D.3.5 Emission Controls

In order to comply with Conditions D.3.1 and D.3.2, the following conditions shall apply:

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

(b) The cartridge filter for PM and PM10 control shall be in operation and control emissions from the DC2 and DC6 mesh belt shotblast machines at all times that either machine is in operation.

(c) The cartridge filter for PM and PM10 control shall be in operation and control emissions from the DC3 Rotoblast shotblast machine at all times that the machine is in operation.

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

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

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

operation.

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

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

D.3.6 Visible Emissions Notations

(a) Visible emission notations of all of the controlled stack exhausts shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for these units shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports shall be considered a violation of this permit.

D.3.7 Scrubber Parametric Monitoring

The Permittee shall monitor and record the pressure drop of the scrubber, at least once per shift. When for any one reading, the pressure drop across the wet scrubber is outside the normal range of 0.5 to 2.5 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports shall be considered a violation of this permit.

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

D.3.8 Scrubber Inspections

An inspection shall be performed each calender quarter of the scrubber. All defective scrubber parts shall be replaced.

D.3.9 Scrubber Failure

In the event that scrubber failure has been observed:

(a) The affected process will be shut down immediately until the failed unit has been replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports shall be considered a deviation of this permit.

D.3.10 Cartridge Filter Parametric Monitoring

The Permittee shall record the total static pressure drop across the cartridge filters controlling the shotblast machines, at least once per shift when the shotblasting process is in operation. When for any one reading, the pressure drop across the control device is outside the normal range of 0.5 to 2.5 inches of water or a range established during the latest stack test, Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports shall be considered a deviation of this permit.

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

Indiana Department of Environmental Management
Office of Air Quality

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

Source Background and Description

Source Name:	DaimlerChrysler Corporation - Kokomo Casting Plant
Source Location:	1001 East Boulevard, Kokomo, Indiana 46904
County:	Howard
SIC Code:	3363
Operation Permit No.:	T 067-5246-00065
Operation Permit Issuance Date:	June 30, 2003
Minor Source Modification No.:	067-21840-00065
Minor Permit Modification No.:	067-21862-00065
Permit Reviewer:	Jenny Acker

The Office of Air Quality (OAQ) has reviewed a modification application from Daimler Chrysler Corporation - Kokomo Casting Plant relating to the construction and operation of the following emission units and pollution control devices:

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

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

History

On September 28, 2005, DaimlerChrysler Corporation - Kokomo Casting Plant submitted an application to the OAQ requesting to add two wire mesh shotblasting machines to their existing plant. DaimlerChrysler Corporation - Kokomo Casting Plant was issued a Part 70 permit on June 30, 2003.

An interim source modification approval, 067-21840I-00065, was issued on October 26, 2005.

Source Definition

This transmissions production operation consists of two (2) plants:

(a) Plant 1 is the Kokomo Transmission Plant (KTP), located at 2401 South Reed Road, Kokomo, IN 46904; and

(b) Plant 2 is the Kokomo Casting Plant (KCP), located at 1001 East Boulevard, Kokomo, IN 46904.

During the Part 70 permitting process, it was determined that the two (2) plants should be treated as one (1) Title V source. Solely for administrative purposes, the plants were issued separate Part 70 permits. The DaimlerChrysler - Kokomo Transmission Plant was permitted under Part 70 Permit No. T067-6504-00065, and the DaimlerChrysler - Kokomo Casting Plant was permitted

under Part 70 Permit No. T067-5246-00065. This modification is to the Kokomo Casting Plant only.

Existing Permits

The source was issued Part 70 Operating Permits:

- The DaimlerChrysler Kokomo Transmission Plant was issued Part 70 Operating Permit No. T067-6504-00065 on September 1, 1999; and
- The DaimlerChrysler Kokomo Casting Plant was issued Part 70 Operating Permit No. T067-5246-00065 on June 30, 2003.

The source has since received the following approvals:

- Minor Source Modification 067-11163-00065, issued September 30, 1999; and
- Administrative Amendment 067-11399-00065, issued November 9, 1999; and
- Minor Source Modification 067-11508-00065, issued December 8, 1999; and
- Administrative Amendment 067-11981-00065, issued April 27, 2000; and
- Administrative Amendment 067-11990-00065, issued September 1, 2000; and
- Administrative Amendment 067-13661-00065, issued March 26, 2001; and
- Administrative Amendment 067-15176-00065, issued March 15, 2002; and
- Minor Source Modification 067-14232-00065, issued May 1, 2001; and
- Significant Source Modification 067-12243-00065, issued January 4, 2001; and
- Administrative Amendment 067-15176-00065, issued March 15, 2002; and
- Significant Permit Modification 067-15918-00065, issued October 17, 2002; and
- Administrative Amendment 067-16442-00065, issued January 6, 2003; and
- Minor Source Modification 067-16594, issued February 12, 2003; and; and
- Minor Permit Modification 067-16664-00065, issued April 24, 2003; and; and
- Significant Source Modification 067-16686-00065, issued June 23, 2003; and
- Significant Permit Modification 067-16788-00065, issued July 8, 2003; and
- Minor Source Modification 067-17799-00065, issued September 16, 2003; and
- Minor Permit Modification 067-17714-00065, issued September 16, 2003; and
- Minor Permit Modification 067-18500-00065, issued May 18, 2004; and
- Administrative Amendment 067-19500-00065, issued August 19, 2004; and
- Minor Source Modification 067-19417-00065, issued November 23, 2004; and
- Minor Permit Modification 067-19553-00065, issued January 26, 2005; and
- Administrative Amendment 067-20879-00065, issued March 31, 2005; and
- Significant Source Modification 067-19756-00065, issued April 14, 2005; and
- Significant Permit Modification 067-19555-00065, issued April 29, 2005; and
- Administrative Amendment 067-21602-00065, issued September 30, 2005.

Enforcement Issue

There are no pending enforcement actions related to this modification.

Stack Summary

There will be two new stacks associated with this modification. However, DaimlerChrysler Corporation – Kokomo Casting Plant has not determined the specifications of these new stacks at this time.

Recommendation

The staff recommends to the Commissioner that the Part 70 Minor Source Modification and Part

70 Minor Permit Modification be approved. This recommendation is based on the following facts and conditions:

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

An application for the purposes of this review was received on September 28, 2005.

Emission Calculations

See Appendix A of this document for detailed emissions calculations.

Potential To Emit of Modification

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as the maximum capacity of a stationary source 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.

This table reflects the PTE before controls for this modification. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	344.45
PM_{10}	344.45
SO_2	-
VOC	-
CO	-
NO_X	-

HAPs	Potential To Emit (tons/year)
Manganese	3.10
Chromium	0.86
TOTAL	3.96

Justification for Modification

The Part 70 source is being modified through a Part 70 Minor Source Modification. This modification is being performed pursuant to 326 IAC 2-7-10.5(d)(8), which applies to a modification that has the potential to emit less than twenty-five (25) tons per year and equal to or greater than five (5) tons per year of either particulate matter (PM) or particulate matter less than ten (10) microns (PM_{10}), that adds an emission unit of the same type that is already permitted and that will comply with the same applicable requirements and permit terms and conditions as the existing units.

The Interim Source Modification Approval (I067-21840-00065) has given the source approval to construct. The proposed operating conditions shall be incorporated into the Part 70 Operating Permit as a Minor Permit Modification (MPM 067-21862-00065) in accordance with 326 IAC 2-7-12(b)(1).

County Attainment Status

The source is located in Howard County.

Pollutant	Status
$PM_{2.5}$	attainment
PM_{10}	attainment
SO_2	attainment
NO_2	attainment
1-Hour Ozone	attainment
8-Hour Ozone	attainment
CO	attainment
Lead	attainment

(a) Volatile organic compounds (VOC) and nitrogen oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_X 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 NO_X emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) Howard County has been classified as unclassifiable or attainment for PM2.5. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM2.5 emissions. Therefore, until the U.S.EPA adopts specific provisions for PSD review for PM2.5 emissions, it has directed states to regulate PM10 emissions as a surrogate for PM2.5 emissions.

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

(d) Fugitive Emissions
Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2 or 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

Source Status

Existing Source PSD or Emission Offset Definition (emissions after controls, based upon 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/year)
PM	greater than 250
PM_{10}	greater than 250
SO_2	greater than 250
VOC	greater than 250
CO	greater than 250
NO_X	greater than 250

(a) This existing source is a major stationary source under PSD (326 IAC 2-2) because an attainment regulated pollutant is emitted at a rate of two hundred fifty (250) tons per year or more, and it is not one of the 28 listed source categories.

(b) These emissions are based upon information contained in the Technical Support Document for the Part 70 permit for this source, T067-6504-00065 and T067-5246-00065.

Potential to Emit of Modification After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the significant emission units after controls. The control equipment is considered federally enforceable only after issuance of this Part 70 source modification.

Pollutant	PM (tons/yr)	PM_{10} (tons/yr)	SO_2 (tons/yr)	VOC (tons/yr)	CO (tons/yr)	NO_X (tons/yr)
Proposed Modification	24.97	14.98	-	-	-	-
PSD Significant Level	25	15	40	40	100	40

(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) The applicant has submitted emissions calculations for the shotblasters based on stack tests at similar machines. PM is assumed to equal PM_{10}.

Federal Rule Applicability

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

(b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14, 326 IAC 20, 40 CFR 61 and 40 CFR Part 63) applicable to this proposed modification.

State Rule Applicability - Individual Facilities

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

The existing source is a major PSD source. However, because potential emissions of all criteria pollutants, after controls, are below the PSD significant levels, the modification is not subject to the requirements of 326 IAC 2-2 (PSD).

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity limitations), except as provided in 326 IAC 5-1-3 (Temporary 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%) 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 Part 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6.5 (Particulate Matter Limitations Except Lake County)

Because the proposed modification is located in Howard County, 326 IAC 6.5-1-2 (Particulate Emission Limitations; fuel combustion steam generators, asphalt concrete plant, grain elevators, foundries, mineral aggregate operations; modification by commissioner) is applicable. Pursuant to 326 IAC 6.5-1-2(a), particulate emissions from the shotblast machines shall not exceed 0.03 grains per dry standard cubic foot.

The outlet grain loading of the dry particulate filters submitted by the applicant (0.0092 grains per dry standard cubic foot), verify that these machines can comply with this rule. See Appendix A, page 1 of 1, for detailed calculations.

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

326 IAC 6-1 has been recodified. The rule provisions were incorporated into two articles, 326 IAC 6.5 and 326 IAC 6.8. All non-Lake County PM limitations, formerly listed in 326 IAC 6-1, have been moved to 326 IAC 6.5 and all Lake County PM limitations, formerly listed in 326 IAC 6-1, have been moved to 326 IAC 6.8. The new articles were published in September 1, 2005 Indiana Register and 326 IAC 6-1 has been repealed.

Since PM emissions from the shotblasters are subject to the requirements of 326 IAC 6.5-1 (Formerly 326 IAC 6-1 (Nonattainment Area Particulate Limitations)), and 326 IAC 6-1 remains in effect under 40 CFR 52, Subpart P, the shotblasters are exempt from the requirements of 326 IAC 6-3-2, pursuant to 326 IAC 6-3-1(c)(3).

Stack Testing Requirements

Compliance stack tests on one (1) of the shotblasting machines identified as DC7 and DC8, shall be conducted within thirty six (36) months after achieving maximum production rate. The Permittee shall conduct PM and PM_{10} performance tests utilizing methods as approved by the Commissioner. These tests shall be repeated at least once every five years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

Compliance Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also 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 deviation 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 monitoring requirements applicable to the two (2) new shotblast machines are specified below:

(a) The Permittee shall record the total static pressure drop across the cartridge filters controlling the shotblast machines, at least once per shift when the shotblasting process is in operation. When for any one reading, the pressure drop across the control device is outside the normal range of 0.5 to 2.5 inches of water or a range established during the latest stack test, Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports shall be considered a deviation of this permit.

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

These monitoring conditions are necessary because the cartridge filters for the shotblast machines must operate properly to ensure compliance with the limits established to render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable and to ensure compliance with 326 IAC 6.5 (Particulate Matter Limitations Except Lake County).

Proposed Changes

The permit language is changed to read as follows (deleted language appears as ~~strikeouts~~, new language appears in **bold**):

Change No. 1: The shotblasters have been added to the equipment description in Section A.3 of the permit as follows:

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

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

(a) through (s) remain the same

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

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

Change No. 2: Section D.3 has been revised as follows:

SECTION D.3 FACILITY OPERATION CONDITIONS

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

(a) through (f) remain the same

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

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

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

D.3.1 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

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

(a) through (h) remain the same

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

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

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

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

D.3.2 Particulate Matter (PM) [326 IAC ~~6-1-2~~ **6.5-1-2**]

Pursuant to 326 IAC **6.5-1-2 (formerly 326 IAC 6-1-2)** ~~(Nonattainment Area Particulate Limitations),~~ **(Particulate Emission Limitations; fuel combustion steam generators, asphalt concrete plant, grain elevators, foundries, mineral aggregate operations; modification by**

commissioner), the following conditions shall apply:

(a) through (e) remain the same

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

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

D.3.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

The Permittee shall perform stack testing as shown in the table below. Testing shall be conducted using methods as approved by the Commissioner, in order to demonstrate compliance with conditions D.3.1 and D.3.2. PM10 includes filterable and condensible PM10. These tests shall be repeated at least once every five (5) years from the date of a valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

Shotblast Machine Identification	Stack Tests Required	Time frame for stack testing
wet scrubber DC1 controlling the DC1 Pangborn shotblast machine	PM	Within 36 months after permit issuance **(T067-5246-00065)**, then once every 5 years
cartridge filter controlling the **DC4** wire mesh shotblast machine	PM and PM10	Within 36 months after permit issuance **(T067-5246-00065)**, then once every 5 years
cartridge filter controlling either the DC7 or DC8 wire mesh shotblast machine	**PM and PM10**	**Within 36 months after permit issuance (067-21840-00065), then once every 5 years**

D.3.5 Emission Controls

In order to comply with Conditions D.3.1 and D.3.2, the following conditions shall apply:

(a) through (e) remain the same

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

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

Change No. 3: To clarify that stack testing for the following sources will not be required by this permit modification, Condition D.1.5 has been modified as follows:

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

The Permittee shall perform stack testing as shown in the table below using methods as approved by the Commissioner, in order to demonstrate compliance with conditions D.1.1, D.1.2, and D.1.3. PM10 includes filterable and condensible PM10. These tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

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

Change No. 4:

326 IAC 6-1 has been recodified. The rule provisions were incorporated into two articles, 326 IAC 6.5 and 326 IAC 6.8. All non-Lake County PM limitations, formerly listed in 326 IAC 6-1, have been moved to 326 IAC 6.5 and all Lake County PM limitations, formerly listed in 326 IAC 6-1, have been moved to 326 IAC 6.8. The new articles were published in the September 1, 2005 Indiana Register and 326 IAC 6-1 has been repealed. Therefore, the rule citations in conditions D.1.2, D.1.3, D.2.2, D.3.2 and D.4.1 have been revised as follows:

D.1.2 Particulate Matter (PM) [326 IAC ~~6-1-15~~ **6.5-5-2**]

Pursuant to 326 IAC ~~6-1-15~~ **6.5-5-2 (formerly 326 IAC 6-1-15)** (~~Nonattainment Area Particulate Limitations for Howard County~~ **Chrysler-Haynes**), the following conditions shall apply:

D.1.3 Particulate Matter (PM) [326 IAC ~~6-1-2~~ **6.5-1-2**]

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

D.2.2 Particulate Matter (PM) [326 IAC IAC ~~6-1-2~~ **6.5-1-2]**

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

D.3.2 Particulate Matter (PM) [326 IAC 6-1-2 6.5-1-2]

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

D.4.1 Particulate Matter (PM) [326 IAC ~~6-1-2~~ **6.5-1-2**]

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

Change No. 5:

On March 3, 2003, U.S.EPA published a notice for "Conditional Approval of Implementation Plan: Indiana" in the Federal Register / Vol. 68, No.41 at pages 9892 through 9895. This notice grants conditional approval to the PSD State Implementation Plan (SIP) under provisions of 40 CFR §51.166 and 40 CFR §52.770 while superceding the delegated PSD SIP authority under 40 CFR §52.793. The effective date for these provisions is April 2, 2003. Therefore, the PSD permits will be issued under the authority of 326 IAC 2-2 and will no longer be issued under the provision of 40 CFR 52.21 and 40 CFR 124. The following permit conditions have been revised based on the PSD SIP approval status (where language deleted is shown with strikeout):

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

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

(a) though (i) remain the same

Therefore, the requirements of 326 IAC 2-2 (PSD) ~~and 40 CFR 52.21~~ shall not apply to any of the furnaces.

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

Pursuant to 067-11163 issued September 30, 1999 and in order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the boiler BLR3 shall combust only natural gas. Therefore, the requirements of 326 IAC 2-2 (PSD) ~~and 40 CFR 52.21~~ shall not apply.

D.3.1 Prevention of Significant Deterioration (PSD) [326 IAC 2-2]

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

(a) through (l) remain the same

Therefore, the requirements of 326 IAC 2-2 (PSD) ~~and 40 CFR 52.21~~ shall not apply.

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

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

(a) and (b) remain the same

Therefore, the requirements of 326 IAC 2-2 (PSD) ~~and 40 CFR 52.21~~ shall not apply.

Change No. 6:

The mailing address of IDEM, Office of Air Quality (OAQ) has changed. All references in the permit to "100 North Senate Ave, Post Office Box 6015, Indianapolis, Indiana 46206-6015" have been changed to "100 North Senate Ave, Indianapolis, Indiana 46204-2251".

Change No. 7:

Indiana was required to incorporate credible evidence provisions into state rules consistent with the SIP call published by U.S. EPA in 1997 (62 FR 8314). Indiana has incorporated the credible evidence provision in 326 IAC 1-1-6. This rule is effective March 16, 2005; therefore, the condition reflecting this rule will be incorporated into your permit as follows:

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.

Change No. 8: Condition C.17 has been revised to reflect the new rule language, which took effect March 27, 2004.

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

~~(a) The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by ***(April 15 or July 1)*** of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement shall meet the following requirements:~~

(a) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of ~~criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting)~~ **all pollutants listed in 326 IAC 2-6-4(a);**

(2) Indicate estimated actual emissions of ~~other~~ regulated pollutants ~~(~~as defined by 326 IAC 2-7-1~~)~~ **(32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule")** from the source, for purpose of ~~Part 70~~ fee assessment.

~~(b) The annual emission statement covers the twelve (12) consecutive month time period starting January 1 and ending December 31. The annual emission statement must be submitted to:~~

The statement must be submitted to:

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

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

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

Conclusion

The construction and operation of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Minor Source Modification No. 067-21840-00065 and Minor Permit Modification No.067-21862-00065.

Appendix A: Emission Calculations
Abrasive Blasting
Shot Blast Units DC7 and DC8

Company Name: DamilerChrysler Corporation - Kokomo Casting Plant
Address City IN Zip: 1001 East Boulevard, Kokomo, IN 46904
Minor Source Modification No.: 067-21840-00065
Minor Permit Modification No.: 067-21862-00065
Plt ID: 067-00065
Reviewer: Jenny Acker
Application Date: September 28, 2005

Source ID	Pre-Controlled Emission Factor *(lb PM/PM10/lb of shot)*	Shotblast Recirculation Rate *(lb/hr)*	Nominal Air Flow Rate *(dscfm)*	Control Efficiency *(%)*	PM/PM10 PTE Controlled *(lb/hr)*	Outlet Grain Loading *(gr/dscfm)*
DC7	0.000225	174,760	4,996	99%	0.39	0.009
DC8	0.000225	174,760	4,996	99%	0.39	0.009

Emission Summary

Source ID	PM/PM10 PTE Uncontrolled *(lb/hr)*	PM/PM10 PTE Uncontrolled *(tpy)*	PM/PM10 PTE Controlled *(lb/hr)*	PM/PM10 PTE Controlled *(tpy)*
DC7	39.32	172.23	0.39	1.72
DC8	39.32	172.23	0.39	1.72
Totals	**78.64**	**344.45**	**0.79**	**3.44**

Source ID	Manganese Shot Composition *(%)*	Manganese PTE Uncontrolled *(tpy)*	Manganese PTE Controlled *(tpy)*	Chromium Shot Composition *(%)*	Chromium PTE Uncontrolled *(tpy)*	Chromium PTE Controlled *(tpy)*
DC7	0.90%	1.5500	0.0035	0.25%	0.4306	0.0010
DC8	0.90%	1.5500	0.0035	0.25%	0.4306	0.0010
Totals		**3.10**	**0.01**		**0.86**	**0.00**

Methodology

PM10 is equal to PM
Pre-Controlled Emission Factor provided by source from prior stack testing on similar units

PM/PM10 PTE Controlled *(lb/hr)* = Emission Factor *(lb PM/PM10/lb shot)* * Shotblast Recirculation Rate *(lb/hr)* * (1 - Control Efficiency (%))
Outlet Grain Loading *(gr/dscfm)* = PM/PM10 PTE Controlled *(lb/hr)* * 1 hr/60 min * 7000 *(grains/lb)* * 1/Nominal Air Flow Rate (dscfm)

PM/PM10 PTE Uncontrolled *(lb/hr)* = Emission Factor *(lb PM/PM10/lb shot)* * Shotblast Recirculation Rate *(lb/hr)*
PM/PM10 PTE Uncontrolled *(tpy)* = PM/PM10 PTE Uncontrolled *(lb/hr)* * 8760 *(hrs/yr)* * 1/2000 *(ton/lb)*
PM/PM10 PTE Controlled *(tpy)* = PM/PM10 PTE Controlled *(lb/hr)* * 8760 *(hrs/yr)* * 1/2000 *(ton/lb)*

Manganese PTE Uncontrolled *(tpy)* = PM/PM10 PTE Uncontrolled *(tpy)* * Manganese Shot Composition *(%)* /100
Manganese PTE Controlled *(tpy)* = PM/PM10 PTE Controlled *(tpy)* * Manganese Shot Composition *(%)* /101
Chromium PTE Uncontrolled *(tpy)* = PM/PM10 PTE Uncontrolled *(tpy)* * Chromium Shot Composition *(%)* /100
Chromium PTE Controlled *(tpy)* = PM/PM10 PTE Controlled *(tpy)* * Chromium Shot Composition *(%)* /101